

625-EMD-204

EOSDIS Maintenance and Development Project

Training Material for the EMD Project Volume 4: Data Distribution

Revision --

May 2008

Raytheon Company
Riverdale, Maryland

Training Material for the EMD Project

Volume 4: Data Distribution

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May 2008

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CDRL Item 23

RESPONSIBLE ENGINEERS

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Preface

This document is a formal contract deliverable. It requires Government review and approval within 45 business days. Changes to this document will be made by document change notice (DCN) or by complete revision.

Any questions should be addressed to:

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Revision History

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Abstract

This is Volume 4 of a series of lessons containing the training material for the Earth Observing System Data and Information System (EOSDIS) Maintenance and Development (EMD) Project. This lesson provides a detailed description of the process required for data distribution.

Keywords: training, instructional design, course objective, distribution, data distribution, Product Distribution System, Order Management Subsystem, OMS, Order Manager, Release 7.21

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Introduction

Identification

Training Material Volume 4 is part of Contract Data Requirements List (CDRL) Item 23, which is a required deliverable under the Earth Observing System Data and Information System (EOSDIS) Maintenance and Development (EMD) Contract (NAS5-03098).

Scope

Training Material Volume 9 describes the process and procedures for data distribution. This lesson is designed to provide the operations staff with sufficient knowledge and information to satisfy all lesson objectives.

Purpose

The purpose of this Student Guide is to provide a detailed course of instruction that forms the basis for understanding data distribution. Lesson objectives are developed and will be used to guide the flow of instruction for this lesson. The lesson objectives will serve as the basis for verifying that all lesson topics are contained within slide presentation material.

Status and Schedule

This lesson module provides detailed information about training for the current baseline of the system. Revisions are submitted as needed.

Organization

This document is organized as follows:

Introduction:	The Introduction presents the document identification, scope, purpose, and organization.
Related Documentation:	Related Documentation identifies parent, applicable and information documents associated with this document.
Student Guide:	The Student Guide identifies the core elements of this lesson. All Lesson Objectives and associated topics are included. The Student Guide consists of a Slide Presentation is reserved for all slides used by the instructor during the presentation of this lesson.

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Related Documentation

Parent Documents

The parent documents are the documents from which the EMD Training Material's scope and content are derived.

423-41-01	Goddard Space Flight Center, EOSDIS Core System (ECS) Statement of Work
423-46-03	EMD Task 101 Statement of Work For ECS SDPS Maintenance
423-46-02	Contract Data Requirements Document for EMD Task 101 ECS SDPS Maintenance

Applicable Documents

The following documents are referenced within this EMD Training Material, or are directly applicable, or contain policies or other directive matters that are binding upon the content of this document:

420-05-03	Goddard Space Flight Center, Earth Observing System (EOS) Performance Assurance Requirements for the EOSDIS Core System (ECS)
423-41-02	Goddard Space Flight Center, Functional and Performance Requirements Specification for the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) (ECS F&PRS)
423-46-01	Goddard Space Flight Center, Functional and Performance Requirements Specification for the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) Science Data Processing System (EMD F&PRS)

Information Documents

Information Documents Referenced

The following documents are referenced herein and amplify or clarify the information presented in this document. These documents are not binding on the content of the EMD Training Material.

609-EMD-200	Release 7.21 Operations Tools Manual for the EMD Project
611-EMD-200	Release 7.21 Mission Operation Procedures for the EMD Project

Information Documents Not Referenced

The following documents, although not referenced herein and/or not directly applicable, do amplify or clarify the information presented in this document. These documents are not binding on the content of the EMD Training Material.

305-EMD-200	Release 7.21 Segment/Design Specification for the EMD Project (Available August 2008)
311-EMD-200	Release 7.21 INGEST (INS) Database Design and Schema Specifications for the EMD Project (Available August 2008)
311-EMD-203	Release 7.21 Systems Management Subsystem Database Design and Schema Specifications for the EMD Project (Available August 2008).
311-EMD-204	Release 7.21 Order Manager Database Design and Database Schema Specifications for the EMD Project (Available August 2008).
311-EMD-205	Release 7.21 Spatial Subscription Server (SSS) Database Design and Schema Specifications for the EMD Project (Available August 2008)
311-EMD-206	Release 7.21 Data Pool Database Design and Schema Specifications for the EMD Project (Available August 2008)
311-EMD-207	Release 7.21 Inventory (EcInDb) Database Design and Schema Specifications for the EMD Project

Data Distribution Overview

Lesson Overview

This lesson will provide you with the complete process by which the Distributed Active Archive Center (DAAC) personnel perform data distribution, including order management using the Order Manager (OM) graphical user interface (GUI). The processes described in the lesson apply to Distribution Technicians. The procedures involved in OM GUI operation include such tasks as launching the OM GUI, responding to an open intervention, viewing distribution request information, viewing a completed intervention, and checking OM queue status.

Lesson Objectives

Overall Objective - The overall objective of the Data Distribution lesson is for personnel involved in maintenance and operation of the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) to develop proficiency in the procedures that apply to data distribution.

Condition - The student will be given oral or written information and requirements for performing data distribution activities, access to the Data Server Subsystem, access to the OM GUI, a copy of 609-EMD-200, *Release 7.21 Operations Tools Manual for the EMD Project*, and a copy of 611-EMD-200, *Release 7.21 Mission Operation Procedures for the EMD Project*.

Standard - The student will perform data distribution activities in accordance with the prescribed procedures without error.

Specific Objective 1 - The student will describe the general functions and processes associated with data distribution.

Condition - The student will be given written or oral questions concerning the general functions and processes associated with data distribution.

Standard - The student will state without error the general functions and processes associated with data distribution in accordance with the lesson content and the applicable procedures.

Specific Objective 2 - The student will perform the steps involved in logging in to system hosts.

Condition - The student will be given a statement of the requirements for logging in to system hosts, access to the Data Server Subsystem (through a workstation or X terminal), a copy of 609-EMD-200, *Release 7.21 Operations Tools Manual for the EMD Project*, and a copy of 611-EMD-200, *Release 7.21 Mission Operation Procedures for the EMD Project*.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will access the command shell, set the DISPLAY environmental variable, and log in to the specified host using secure shell and the specified user ID.

Specific Objective 3 - The student will perform the steps involved in monitoring/controlling data distribution requests, including configuring data distribution polling, filtering data distribution requests, changing the priority of distribution requests, suspending/resuming distribution requests, and canceling distribution requests.

Condition - The student will be given a statement of the requirements for monitoring/controlling data distribution requests, access to the previously launched Data Distribution Operator GUI in the Data Server Subsystem (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will monitor/control data distribution requests (including configuring data distribution polling, filtering requests, and changing the status of distribution requests as directed) and respond to questions concerning the current status of distribution requests.

Specific Objective 4 - The student will perform the steps involved in launching the Order Manager (OM) GUI.

Condition - The student will be given a statement of the requirements for launching the OM GUI, access to system hosts (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will log in to an appropriate host using secure shell, enter the command to start the Netscape browser, enter the URL to access the OM GUI in the specified mode, and enter the appropriate user name and password in the security dialogue box.

Specific Objective 5 - The student will perform the steps involved in viewing open intervention information on the OM GUI.

Condition - The student will be given a statement of the requirements for viewing open intervention information on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Open Interventions link and the Open Intervention Detail page for a specific open intervention and will respond to questions concerning the intervention.

Specific Objective 6 - The student will perform the steps involved in responding to an open intervention using the OM GUI.

Condition - The student will be given a statement of the requirements for responding to an open intervention using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Open Interventions link, select the specified intervention, assign self to work on the intervention, select the appropriate attributes for the intervention, apply the attributes, and confirm the disposition of the intervention.

Specific Objective 7 - The student will perform the steps involved in monitoring and controlling distribution requests on the OM GUI.

Condition - The student will be given a statement of the requirements for monitoring and controlling distribution request information on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Distribution Requests link and respond to questions concerning distribution request status, change the priority of a distribution request (if applicable), suspend, resume, cancel, resubmit, or stop a distribution request (if applicable), view open intervention information (if applicable), edit ftp push parameters (if applicable), view operator alerts (if applicable), view to staging requests (if applicable), and/or view ftp push distribution requests (if applicable).

Specific Objective 8 - The student will perform the steps involved in changing the priority of a distribution request using the OM GUI.

Condition - The student will be given a statement of the requirements for changing the priority of a distribution request using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the priority from the option button in the Priority column of the row associated with the specified request and apply the selected priority.

Specific Objective 9 - The student will perform the steps involved in suspending, resuming, canceling, resubmitting, or stopping a distribution request using the OM GUI.

Condition - The student will be given a statement of the requirements for suspending, resuming, canceling, resubmitting, or stopping a distribution request using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609-EMD-200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to click on the appropriate button in the Action column of the row associated with the request, respond to the applicable dialogue box(es), initiate an intervention to resubmit the specified request (if resubmitting a request), specify the appropriate attributes of the intervention as specified in the requirements (if resubmitting a request), and confirm the disposition of the intervention (if resubmitting a request).parameters.

Specific Objective 10 - The student will perform the steps involved in viewing open HDF-EOS to GeoTIFF Conversion Tool (HEG) intervention information on the OM GUI.

Condition - The student will be given a statement of the requirements for viewing open HEG intervention information on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the HEG Interventions link and the HEG Intervention Detail page for a specific HEG intervention and will respond to questions concerning the intervention.

Specific Objective 11 - The student will perform the steps involved in responding to an open HEG intervention using the OM GUI.

Condition - The student will be given a statement of the requirements for responding to an open HEG intervention using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the HEG Interventions link, select the specified intervention, assign self to work on the intervention, select the appropriate disposition for the intervention, and confirm the disposition of the intervention.

Specific Objective 12 - The student will perform the steps involved in viewing pending HEG granules on the OM GUI.

Condition - The student will be given a statement of the requirements for viewing pending HEG granules on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Pending HEG Granules link and will respond to questions concerning specific granules as displayed on the Pending HEG Granules page.

Specific Objective 13 - The student will perform the steps involved in viewing operator alerts on the OM GUI.

Condition - The student will be given a statement of the requirements for viewing operator alerts on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Operator Alerts link, respond to

questions concerning specific alerts as displayed on the Operator Alerts page, select the corresponding details link in the Alert Info column, and respond to questions concerning alert details as displayed on the detail page.

Specific Objective 14 - The student will perform the steps involved in viewing a completed operator action or intervention using the OM GUI.

Condition - The student will be given a statement of the requirements for viewing a completed operator action or intervention using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Request Management link, select the Completed Operator Actions & Interventions link, and respond to questions concerning a specified completed action or intervention as displayed on the Completed Operator Actions and Interventions page.

Specific Objective 15 - The student will perform the steps involved in viewing and responding to suspended ftp push distribution destinations using the OM GUI.

Condition - The student will be given a statement of the requirements for viewing and responding to suspended ftp push distribution destinations using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the FtpPush Monitor link, select the Suspended Destinations link, respond to questions concerning the information displayed on the Suspended Destinations page, select the Resume button to resume a suspended destination, either enter the destination name (for a destination to be suspended) in the Destination Name text box or type the host name in the FTP Node text box, and select the Suspend button to suspend an active destination.

Specific Objective 16 - The student will perform the steps involved in checking and modifying OM queue status using the OM GUI.

Condition - The student will be given a statement of the requirements for checking and modifying OM queue status using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the OM Status Pages link, select the OM Queue Status link, respond to questions concerning OM queue status, select the appropriate state from the correct Change State option button as directed, and apply the state change(s).

Specific Objective 17 - The student will perform the steps involved in checking and modifying HEG order status using the OM GUI.

Condition - The student will be given a statement of the requirements for checking and modifying HEG order status using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the HEG Order Status link, and respond to questions concerning HEG order status.

Specific Objective 18 - The student will perform the steps involved in checking staging status using the OM GUI.

Condition - The student will be given a statement of the requirements for checking staging status, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the OM Status Pages link, select the Media Type link or FTP Push Destination link as directed, and respond to questions concerning staging status as displayed on the staging status pages.

Specific Objective 19 - The student will perform the steps involved in checking and modifying OM configuration parameters.

Condition - The student will be given a statement of the requirements for checking and modifying OM configuration parameters, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the OM Configuration link, select the Aging Parameters, Server/Database, Media or FTP Push Policy link as directed, respond to questions concerning configuration parameters as displayed on the configuration parameters pages, enter the new value(s) in the text entry box(es) for the relevant parameter(s), and apply the new value(s).

Specific Objective 20 - The student will perform the steps involved in adding a destination to the frequently used destinations list.

Condition - The student will be given a statement of the requirements for adding a destination to the frequently used destinations list, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the OM Configuration link, select the

FTP Push Policy link, select the Add a Destination button, enter value(s) in the text entry box(es) for the relevant attribute(s)/parameter(s) as directed, select the retry mode from the option button as directed, enter the applicable text in the Notes text box as directed, apply the values entered for the new destination, and confirm the new destination.

Specific Objective 21 - The student will perform the steps involved in viewing the OM GUI log.

Condition - The student will be given a statement of the requirements for viewing the OM GUI log, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Logs link, select the OM GUI Log Viewer link, enter the appropriate number of lines to be displayed (as directed), initiate viewing of the log, and respond to questions concerning entries in the OM GUI log.

Specific Objective 22 - The student will perform the steps involved in viewing PMD open intervention information on the OM GUI.

Condition - The student will be given a statement of the requirements for viewing PMD open intervention information on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Physical Media Distribution Open Interventions link and the PMD Open Intervention Detail page for a specific open intervention and will respond to questions concerning the intervention.

Specific Objective 23 - The student will perform the steps involved in responding to a PMD open intervention using the OM GUI.

Condition - The student will be given a statement of the requirements for responding to a PMD open intervention using the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Physical Media Distribution Open Interventions link, select the specified intervention, assign self to work on the intervention, select the appropriate disposition for the intervention, and confirm the disposition of the intervention.

Specific Objective 24 - The student will perform the steps involved in checking and modifying PMD device configuration.

Condition - The student will be given a statement of the requirements for checking and modifying PMD device configuration, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Physical Media Distribution Device Configuration link, respond to questions concerning device configuration as displayed on the Physical Media Distribution Device Configuration page, and change the on-line or off-line status of a device (as directed).

Specific Objective 25 - The student will perform the steps involved in monitoring and controlling PMD media creation on the OM GUI.

Condition - The student will be given a statement of the requirements for monitoring and controlling PMD media creation on the OM GUI, access to the previously launched OM GUI (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will use the OM GUI to select the Media Creation Actions link and respond to questions concerning PMD request status, respond to system prompts to activate a request, mount media for production, collect media for QC, activate media for QC, mount media for QC, and assemble the package.

Specific Objective 26 - The student will perform the steps involved in preparing an input file for use with the OMS Configuration CI.

Condition - The student will be given a statement of the requirements for preparing an input file for use with the OMS Configuration CI, access to system hosts (through a workstation or X terminal), a copy of 609 EMD 200, Release 7.21 Operations Tools Manual for the EMD Project, and a copy of 611 EMD 200, Release 7.21 Mission Operation Procedures for the EMD Project.

Standard - In accordance with the lesson content, the applicable procedure, and the statement of requirements the student will access a terminal window logged in to the Sun Consolidation Internal host, enter the path to the “utilities” directory, use text editor commands to create a file that specifies the relevant values (as directed) to be sent to the OMS.

Importance

This lesson applies to students who will be Distributed Active Archive Center (DAAC) Distribution Technicians. The lesson will provide them with the knowledge and skills needed when performing their assigned tasks. Those tasks include the following types of activities:

- Launching the Data Distribution Operator GUI.
- Monitoring/controlling data distribution requests.
- Using the OMS configuration script (OMS Configuration CI)
- Modifying system parameters.

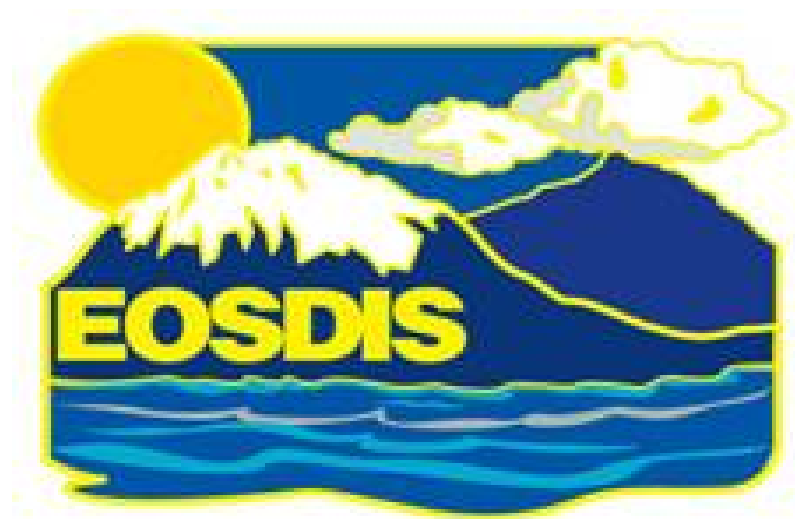
The lesson describes why and how the activities are performed. Consequently, the students will become aware of what tasks they will be performing on the job and how to accomplish those tasks.

Slide Presentation

Slide Presentation Description

The following slide presentation represents the slides used by the instructor during the conduct of this lesson.

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Data Distribution

May 2008

Overview of Lesson



☐ **Distribution Concepts**

- System Context Diagram

☐ **Order Manager (OM) Subsystem**

- Support for External Processors
- Flow Diagram
- OM Server Components

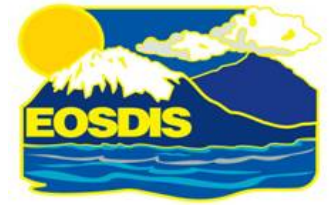
☐ **Order Manager Services**

- OM GUI Functionalities

☐ **Order Manager GUI**

- System Hosts Login
- OM GUI Home Page
- Operator Security
- Active Tools
- Order Manager (OM) GUI Operations

Distribution Concepts



- ❑ **Data Distribution is accomplished at the Distributed Active Archive Centers (DAACs).**
- ❑ **DAAC Operator manages order distribution requests using a web browser and performs direct updates to the Order Manager Service (OMS) Database.**
- ❑ **The Order Manager Service (OMS) manages all data orders via:**
 - **EWOC** [EOSDIS ClearingHOuse (ECHO) Web Service Distribution Language (WSDL) Ordering Component (OC)].
 - **Data Pool (DPL)** – talks directly to OMS and stages granules.
 - **Spatial Subscription Server (NBSRV)** – talks directly to OMS; automatic product request generated based on subscription criteria.
 - **Science Command Line Interface (OmSCLI)** – allows acquired products by Order Manager Server.

Distribution Concepts (cont.)

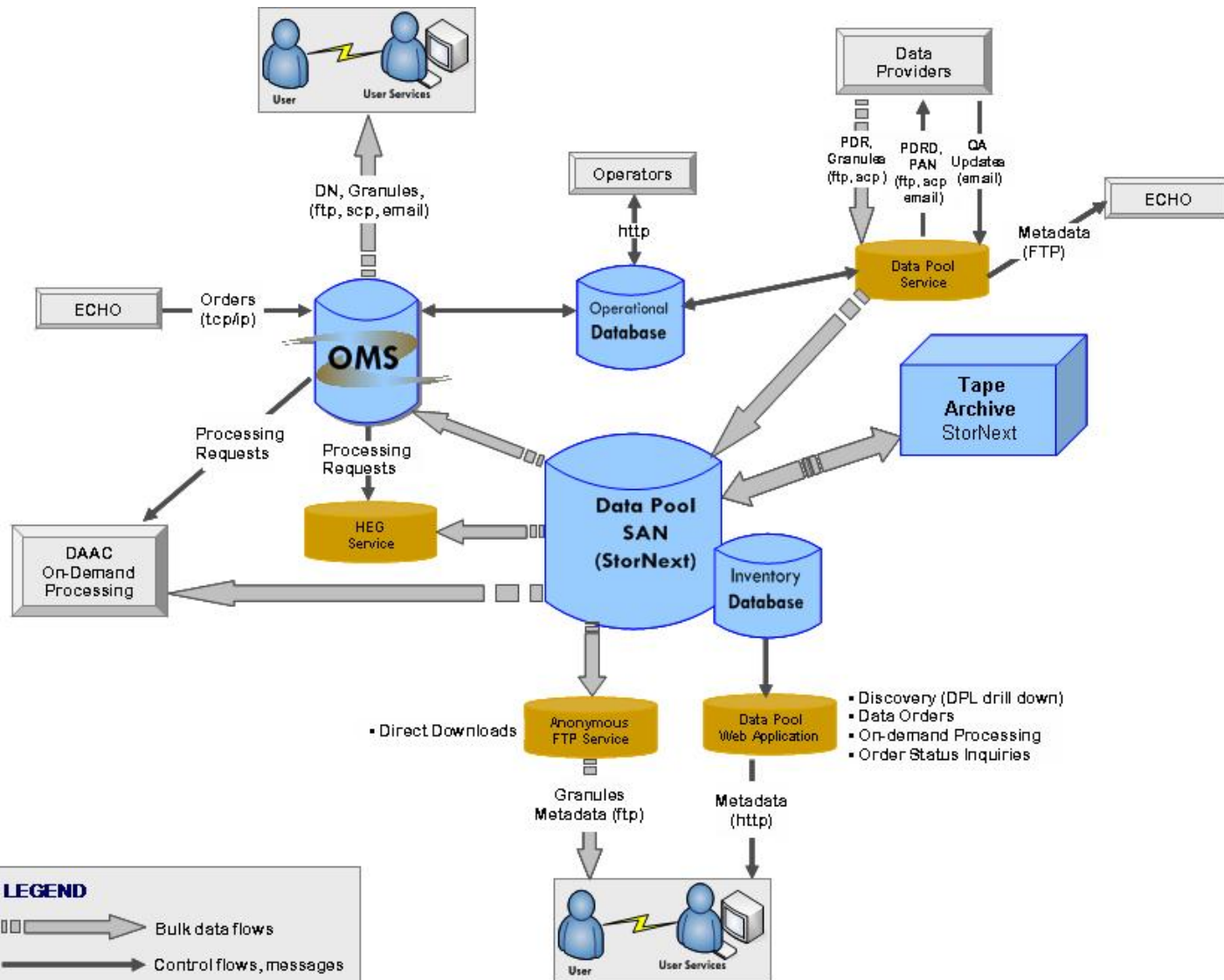


- ❑ OM Server validates all data order requests received into the OM Subsystem (OMS), then dispatches each validated request to the appropriate order-fulfillment service.
- ❑ OMS manages distribution of data by two methods:
 - 1 – Electronically (directly distribute data from staged files linked to DPL storage directory):
 - FtpPush/SCP
 - FtpPull.
 - 2 – Physical Media (created by the Production Module Device on physical media):
 - Digital Linear Tape (DLT)
 - Digital Video Disk (DVD)
 - Compact Disk (CD).

NOTE: *Physical Media* is not utilized by LaRC, but at all other DAACs

Distribution Concepts

System Context Diagram (cont.)



Order Manager Subsystem

Support for External Processors



- ❑ OMS manages order from WIST, ECHO and the External Processor via EWOC and the DPL-Ingest (including hard-media orders and HDF-EOS to GeoTIFF (HEG) Conversion Tool orders).
- ❑ OMS stages each order to DPL storage and creates links from staged files to the FtpPull directory or distribution.
- ❑ OMS Graphical User Interface (GUI) allows managing and distributing orders directly to the OM database.
- ❑ EWOC registers external processing “orders” with OMS.
- ❑ EPD registers external processing “outputs” with OMS.

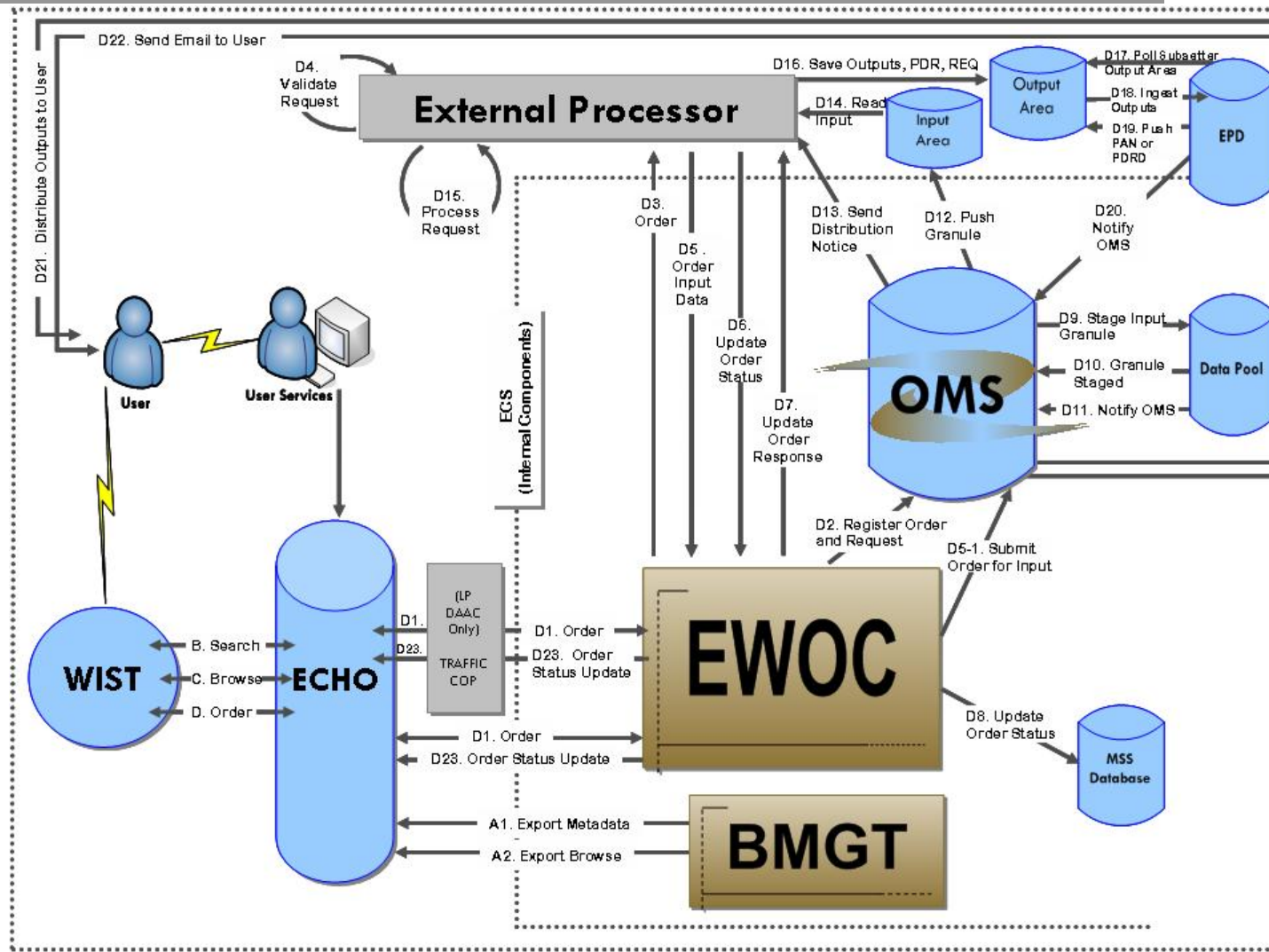
Order Manager Subsystem

Support for External Processors (cont.)



- ❑ **OMS distributes external processing outputs like any other data (e.g., HEG processing outputs):**
 - OMS displays external processing orders with associate labels.
 - DAAC can configure separate DN preamble, FTP Pull expiration.
 - Operator actions are disabled until OMS has control; No resubmit.
 - Operator can suspend/cancel/stop/resume acceptance of orders for external processor.
- ❑ **Some Support for ASTER On-Demand:**
 - No granule identifiers in DN.
 - [.REQ] file is not distributed.
 - PDR changes (backwards compatible).

Order Manager Subsystem Flow Diagram



Order Manager Subsystem

OM Server Components



❑ OM Server has four major parts:

1 – Sybase ASE Server:

- COTS SW application handling order management-related interactions with the Order Management database.

2 – Order manager (OM) GUI:

- Allows viewing and modifications of requests by Operator.
- Permits suspend, resume, cancel, resubmit or modify functions.

3 – Physical Media Device (Luminex):

- Transfers products electronically.
- Transfers digital products to three physical media types.
- Prints labels and inserts for physical media distribution.

4 – OMS Bulk Browse Utility (ECSBBR):

- Extracts browse cross-reference and copies into DPL(SAN) non-existing browse granule files.
- Updates granule files list in OMS to include DP copied files.

Order Manager Services

OM GUI Functionalities



❑ General functions and processes associated with data distribution operations can be performed as follows:

- Logging into the system.
- Viewing/Responding to Open Interventions
- Viewing/Filtering Completed Operator Actions and Interventions
- Viewing/Filtering Distribution Requests Data
- Filtering Processing Service Requests
- Filtering FtpPush/SCP (or Staging) Requests
- Handling Operator Alerts
- Viewing/Responding to Suspended FTP Push Distribution Destinations
- Viewing Historical Distribution Requests
- Viewing Historical Processing Requests

Order Manager Services

OM GUI Functionalities (cont.)



❑ General functions and processes associated with data distribution operations can be performed as follows:

- Viewing/Modifying OM Queue Status
- Viewing HEG Order Status
- Viewing Staging Status
- Viewing Pending HEG Granules
- Viewing Data Pool File System Status
- Checking/Modifying Assigned Values of Aging Parameters
- Checking/Modifying Assigned Values of OMS Server and Database Parameters
- Checking/Modifying Assigned Values of Media Parameters
- Checking/Modifying Assigned Values of Media Creation Parameters
- Adding/Deleting User Email Address to/from the ODL Metadata File

Order Manager Services

OM GUI Functionalities (cont.)



- ❑ **General functions and processes associated with data distribution operations can be performed as follows:**
 - Checking/Modifying External Processing Services Configurations
 - Viewing/Modifying FtpPush/SCP Policy Configurations
 - Using the PMD Media Creation Console
 - Filtering/Modifying PMD Device Configurations
 - Responding to Open PM Interventions
 - Modifying Existing PMD Printer Configuration
 - Modifying Existing PMD Production Module Configuration
 - Printing PMD Reports
 - Adding/Deleting Compressed Format ESDTs
 - Viewing the OM GUI Log

Order Manager GUI

System Hosts Login

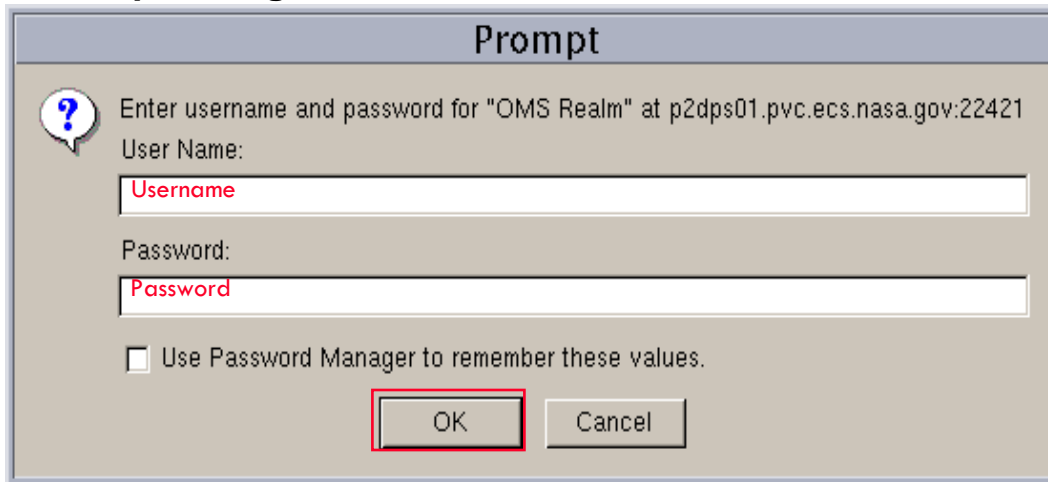


- ❑ **Activating the OM GUI requires a terminal with a host logon to access a recommended web browser, i.e., Mozilla 5.0, Netscape 7+, Firefox 0.9+, generic “Mozilla” for Linux or UNIX.**

❑ **Procedure: Logging into the System**

- Enter **URL** (http://x4iil01.<DAAC_extension>:<port>).
- Enter Security Login **Prompt** information.

❖ **Figure: Prompt dialog box**



- Click **OK** to launch the Order Manager GUI (Home Page).

Order Manager GUI

OM GUI Home Page



❖Figure: Order Manager GUI (Home Page)

The screenshot shows the Order Manager GUI Home Page in a Mozilla Firefox browser window. The address bar displays 'http://f4spl01.hitc.com:22491 - OM GUI - DEV09 MODE - Mozilla Firefox'. The browser's menu bar includes File, Edit, View, History, Bookmarks, Tools, and Help.

Annotations:

- Menu Bar:** Points to the browser's menu bar.
- GUI Navigation Tool:** Points to the 'navigation' bar with back, forward, and refresh buttons.
- OM GUI Menu and Submenu Options:** Points to the left sidebar menu containing: Home, Request Management, Destination Monitor (with Suspended Destinations), Archive Data, OM Status Pages, OM Configuration, Help, Physical Media Distribution, and Logs.
- Login/Log Out Indicators:** Points to the text 'You are logged in as: labuser (read)' and the 'Log Out' link.
- Left pane – Menu Options:** Points to the left sidebar menu.
- Right pane – Menu Options Display:** Points to the main content area.
- Home Page (OM GUI Main Window):** Points to the main content area.

Main Content Area:

The main content area features a header with 'Synergy V' and 'Order Manager GUI'. Below the header, it states: 'The Order Manager GUI allows a DAAC operator to completely manage order distribution requests from a web browser and directly update the Order Manager Service (OMS) Database.'

It then lists features: 'The OMS GUI has several features, some of which are new to the Synergy V release. Here is a list of just some of the major functionalities of the OMS GUI:'

- View Distribution Requests and associated granules
- Manage Physical Media Creation
- Suspend, Resume, Cancel, Stop or Resubmit Requests
- Fix common problems with Requests
- Change Request attributes, change granules for a request
- View Operator Alerts
- Monitor for suspended FTPPush/Scp destinations and their requests
- Manage HEG requests
- Configure the OMS database

At the bottom, it says: 'If you are new to this GUI, feel free to visit the Help page, which contains complete details on operations scenarios and other useful topics.'

Footer:

The Order Manager GUI (v3.0) has been tested for use with Netscape 7.2
 You are currently using Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.8.1.11) Gecko/20071127 Firefox/2.0.0.11

Order Manager GUI

OM GUI Home Page (cont.)



Order Manager GUI Menu

Navigation Menu Option	Submenu Options	
<input type="checkbox"/> Request Management provide options to manage all validated requests; provide interventions capabilities; and process subsetting. It also allow Operators to fix common problems with requests within the OMS GUI.	<ul style="list-style-type: none"> ▪Open Interventions ▪HEG Interventions ▪Completed Actions & Interventions ▪Distribution Requests [filter] 	<ul style="list-style-type: none"> ▪Processing Service Requests [filter] ▪FtpPush/SCP Requests [filter] ▪Staging Requests [filter] ▪Operator Alerts
<input type="checkbox"/> Destination Monitor provide monitoring capability to suspend distributions and resume them.	<ul style="list-style-type: none"> ▪Suspended Destinations 	
<input type="checkbox"/> Archive Data is the repository for all historical distributed and processed requests.	<ul style="list-style-type: none"> ▪Historical Distribution Requests [filter] ▪Historical Processing Requests [filter] 	
<input type="checkbox"/> OM Status Pages displays summary information of current request processing states i.e., suspended or active, for each media server or email. It also displays each archive server's staging status. If an incorrectly installed or unregistered server with the name service, a «No State Available» is displayed.	<ul style="list-style-type: none"> ▪OM Queue Status ▪HEG Order Status ▪Staging Status: <ul style="list-style-type: none"> –Media Type –FTP Push Destination –SCP Destination 	<ul style="list-style-type: none"> ▪Pending HEG Granules ▪DPL File System Status

Order Manager GUI

OM GUI Home Page (cont.)



Order Manager GUI Menu

Navigation Menu Options	Submenu Options	
<input type="checkbox"/> OM Configuration allows Operator to configure aging rules for each priority level – Aging Parameters; to fine tune database and events to set database and server parameters, of which affects the entire system except partial media types – Server/Database Configuration; and to set and adjust media types attributes – Media Configuration.	<ul style="list-style-type: none"> ▪Aging Parameters ▪Server/Database <ul style="list-style-type: none"> –[All] –[queue], [cleanup], [email], [media], [staging], [partition], [misc.], [HEG] 	<ul style="list-style-type: none"> ▪Media ▪Media Creations ▪ODL Metadata Users ▪External Processing ▪FtpPush/SCP Policy
<input type="checkbox"/> Help provides guidelines to using the OMS GUI.	<ul style="list-style-type: none"> ▪About HelpOnDemand... ▪Help 	
<input type="checkbox"/> Physical Media Distribution Controls and some configurations for creating and distributin Physical Media. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> NOTE: <i>Physical Media</i> is not utilized by LaRC, but is at all other DAACs </div>	<ul style="list-style-type: none"> ▪Media Creation Console ▪Device Configuration ▪Open Interventions ▪Printer Configuration 	<ul style="list-style-type: none"> ▪PM Configuration ▪Reports ▪ESDT Configuration
<input type="checkbox"/> Logs a log viewer – a convenient diagnostic tool that displays all current activity in the OM GUI. Records of every running page and stored procedure are recorded in the log file located under « cgi-bin/logs » directory.	<ul style="list-style-type: none"> ▪OM GUI Log Viewer 	

Order Manager GUI

Operator Security



OM GUI Operator Security Capabilities

Role	Capability
<input type="checkbox"/> Full-Capability (FC) Operator	<ul style="list-style-type: none">▪Primary level activities are not limited to the ability to configure parameters; view all levels of interventions activities; view and change actions for distribution request lists and detailed information; monitor and configure OM Server and OM Database parameters; etc.
<input type="checkbox"/> Limited-Capability (LC) Operator	<ul style="list-style-type: none">▪Secondary level activities are limited to the basic functionality of monitoring and viewing.

Order Manager GUI

Active Tools



❑ Active Tools for OM GUI Pages:

▪ Frame A: Browser “Find in this Page (Ctrl+F)” search tool:

- The browser search menu option features keyword search of the data within the current screen (page) display.

▪ Frame B: OM GUI navigation tool:

- Features ability to review previous/next page or to reload current page show on the OM GUI.

▪ Frame C: OM GUI AutoRefresh tool:

- The AutoRefresh Control Panel, displayed at bottom of most OM GUI pages, can be set to automatically reload an active page by designated minutes.

❖ Figure: Find (A), Navigation (B) and AutoRefresh (C) Tools



Order Manager GUI

Request Management



□ OM GUI – REQUEST MANAGEMENT

- The Operator is provided options to manage, monitor and control open/completed interventions. Allowing intervention capabilities helps to ensure eligible requests, from varying order sources, are distributed or handled appropriately. The action to process subsetting is also available. Non-fatal errors and warnings related to data space/storage, ftpPush/SCP destination, and server warnings are functions handled within the OM GUI.
- Request Management submenus:
 - Open Interventions.
 - HEG interventions.
 - Completed Actions & Interventions.
 - Distribution Requests [filter].
 - Processing Service Requests [filter].
 - FtpPush/SCP Requests [filter].
 - Staging Requests [filter].
 - Operator Alerts.

OM GUI

Request Management (cont.)



❑ Request Management – Open Interventions

- **Provides list of all the currently open Operator interventions that require action. Interventions can be managed using a Change Filter, Bulk Fail and/or Bulk Submit features on the page.**
- **Interventions activities performed to:**
 - Select a different granule to replace an unavailable granule.
 - Fail selected granule(s). [**NOTE:** A permanent action and cannot be canceled after confirmed.]
 - Change the attributes (distribution medium, disable limit checking, update parameters and [.XML] to [.ODL] format conversion) for a request.
 - Attributes changes to update FtpPush/SCP parameters option will edit the existing (related) FtpPush information when the intervention is closed.
 - Change the disposition (Resubmit, Fail, or Partition (divide) a request.
- **Failing a granule is a permanent action, if confirmed, cannot be canceled.**
- **Standard media capability limits for a particular media type (i.e., FtpPush, FtpPull, SCP) can be override using the Disable Limit Checking attributes options.**
- **The Reset button on pages, it simply resets the Request Level Disposition options to their original value.**

OM GUI

Request Management (cont.)



❑ Request Management – Open Interventions

▪ Open Interventions Page has three working parts:

- 1 – Current Filter (Frame 1) – pre-defined filter criteria.
- 2 – Options (Frame 2) – features to change filter, bulk fail or bulk submit requests.
- 3 – Listing (Frame 3) – requested distribution filtered output.

1	2	3
Current Filters	Options	Listing
Fields	Actions	Fields
Order ID	Change Filter	Sel <input type="checkbox"/> Fail <input type="checkbox"/> Sub
Creation Time: * Start * End	Bulk Fail * All * None	Order ID
Media Type	Bulk Submit * All * None	Request ID
Intervention Type		Media Type
Request ID		Request Size (MD)
Worked By		Status
Explanation		Worked By
		Created
		Acknowledged
		Explanation(s)
		IntervType

OM GUI

Request Management (cont.)

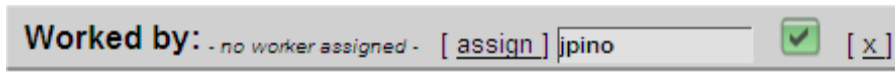


□ Request Management – Open Interventions

▪ Procedure: Viewing/Responding to Open Interventions

- Click **Request Management** menu, then click submenu **Open Interventions**.
- Specify the **Show <number> rows at a time** display: Under Listing, select **20**.
- Organize/Sort page by creation time, in ascending order: Click **Created** label.
- Display detailed data of order: Click a specified **Order ID <number>**.
- View Open Interventions For Request <ID> details: Click a specified **Request ID <number>**.
- Assign a Worker: Click the **assign** link and enter **<employeeID>** in input box, then click the **green-checked** button to confirm.

❖ Figure: Worker Assignment



- Manually Fail Granule: Under **Granule List** section, Locate **Explanation**, “Manual fail required” and click **Fail** checkbox, then click **Submit Actions** button.
- Change granule attributes to alter the characterization or features, under **Request Attributes** section, click **Change Media to** arrow and choose new type; click **Change Priority to** arrow and select new priority; click **Disable limit checking** checkbox to disable size limit.

OM GUI

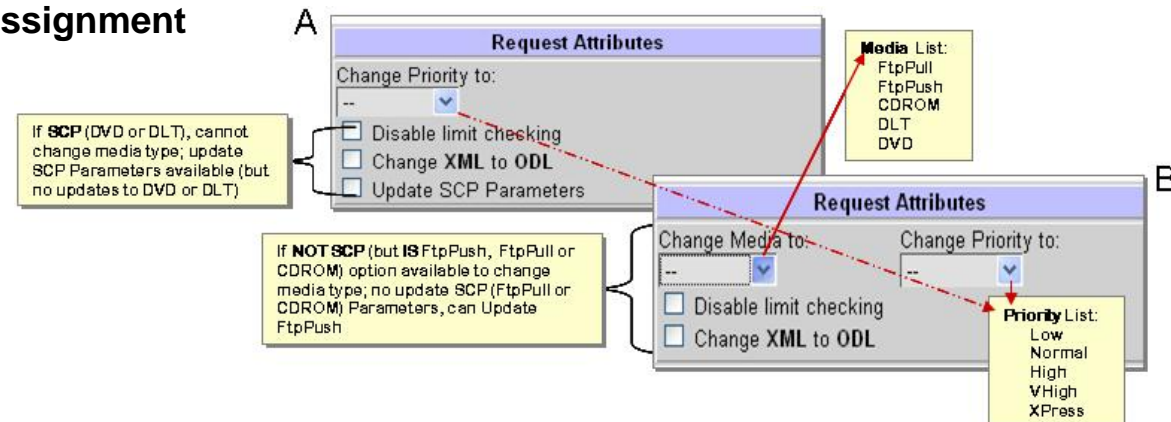
Request Management (cont.)



❑ Request Management – Open Interventions

▪ Procedure: Viewing/Responding to Open Interventions (cont.)

❖ Figure: Worker Assignment



➤ Change **Request Disposition**: Click **Fail Request** option, then click **Apply** to commit changes.

❖ Figure: Request Level Disposition

The 'Request Level Disposition' window contains the following options:

- ☒ Keep on hold
- ☐ Submit
- ☐ Fail Request
- ☐ Partition [Interval: day(s) and hours]

- Close the Close Interventions page, as appropriate by entering **Additional e-mail text**, if sending e-mail message to the requester or click **Don't send e-mail** checkbox, then click **OK**.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Request Management (cont.)



❑ Request Management – Open Interventions

❖ Figure: Open Interventions Page

Open Interventions

Current Filters

Order ID: None
Creation Time:
Media Type:
Intervention Type: ALL

Request ID: None
Start: Jan 9 2007 10:42AM

Worked By: None
End: Jan 10 2008 10:42AM
Explanation: ALL

Options

Change Filter

Bulk Fail

Bulk Submit

☐ All ☐ None

☐ All ☐ None

Click on a request ID to view more details.

Listing

Go directly to row of 540 rows Show rows at a time.

[first](#) | [previous](#) | Showing 1 - 50 of 540 | [next](#) | [last](#)

Sel	Fail	Sub	Order ID	Request ID	Media Type	Request Size (MB)	Status	Worked By	Created	Acknowledged	Explanation(s)	IntervType
<input type="checkbox"/>	<input type="checkbox"/>		2000013584	2000013940	FtpPush	2	PENDING		Jan 9 2008 3:16PM		Failed transferring Request Canceled Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000013582	2000013938	FtpPush	2	PENDING		Jan 9 2008 12:14PM		Ftp Login Errors Request Canceled Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000013577	2000013933	FtpPush	< .5	IN-WORK	omsadmin	Jan 9 2008 11:22AM	Jan 9 2008 11:38AM	FtpPush Directory does not Exist or No Write Permission Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000013566	2000013922	FtpPush	154	PENDING		Dec 18 2007 12:48PM		Request Resubmitted	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000013464	2000013820	DLT	11	PENDING		Dec 18 2007 12:42PM		Media Creation Stopped	Media Creation Error
<input type="checkbox"/>	<input type="checkbox"/>		2000013561	2000013917	FtpPush	< .5	PENDING		Nov 27 2007 1:38PM		Ftp Login Errors Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000013560	2000013916	FtpPush	< .5	IN-WORK	omsadmin	Oct 18 2007 4:16PM	Oct 25 2007 12:05PM	Failed by Operator Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000013559	2000013915	FtpPush	< .5	PENDING		Oct 18 2007 4:11PM		Failed transferring Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>		2000009817	2000010182	DVD	154	PENDING		Oct 16 2007 9:24AM		Media Creation Error	Media Creation Error

OM GUI

Request Management (cont.)



❑ Request Management – Open Interventions

❖ Figure: Interventions For Request <ID> Page

Intervention For Request 0300082129

Order ID: 0300083871

Request ID: 0300082129

Input Size: 119 estimated MB

Media Type: scp

Priority: VHIGH

Explanation(s): Transfer failed

Worked by: - no worker assigned - [assign]

User ID: labuser(labuser@eos.hitc.com)

Created: Apr 17 2007 11:04AM

Acknowledged:

Request Status: Operator Intervention

Metadata Format: XML

Granule List

Go directly to row of 1 row Show 20 rows at a time.

first | previous | Showing 1 - 1 of 1 | next | last

GranuleID	DPL ID	ESDT	Type	In Size (MB)	Out Size (MB)	Status	Explanation	Action
124256		157831	AST_L1B.003	SC	118.753	FAILED	scp Copy Server is down Manual fail required	Fail <input type="checkbox"/>

Select all ☐

Submit Actions

first | previous | Showing 1 - 1 of 1 | next | last

Request Attributes

Change Priority to:

☐ Disable limit checking
☐ Change XML to ODL
☐ Update SCP Parameters

Request Level Disposition

☒ Keep on hold
☐ Submit
☐ Fail Request
☐ Partition [Interval: day(s) and hours]

Operator Notes

0 of 255 max characters

Apply reset

NOTE: Update FtpPush/SCP parameters option, edits the existing FtpPush information when the intervention is closed. Option appears on confirmation page for FtpPush/SCP media types)

OM GUI

Request Management (cont.)



Request Management – Open Interventions

❖ Figure: Close Confirmation for Intervention (FtpPush/SCP and Hold)

Operator Notes (Window B)

0 of 255 max characters

Apply reset

If disposition to **Keep on hold**, request-level attributes are rejected and **Operator Notes** saved

CONFIRMATION FOR INTERVENTION 4502105 (Window A)

You are about to **place this intervention on hold**. Only the operator notes will be saved. This intervention will not be closed.

The following actions will be taken:

Disposition	Limit Checking Disabled	New Media	New Priority	New MetadataFormat
keep on hold				

WARNING: Since you are placing this intervention on hold, none of the request-level attributes you selected will be applied - only the operator notes will be saved.

Are you sure you want to take the action(s) listed above? (Clicking the Cancel button will bring you back to the Intervention Page for this intervention ID)

OK Cancel

Warning and Important Alerts

IMPORTANT: - Since you are changing the media type from an electronic to a physical type (CDROM), please fill in or update the shipping information in the form below:

Address 1 48934 Hathaway Street
 Address 2 Building 6
 Address 3 Suite 100
 City College Park
 State/Province MD
 Country USA
 Zip/Postal Code 20780

*Required field

If **physical media** changed, update or fill-in information shipping label, as required.

CLOSE CONFIRMATION FOR INTERVENTION 5501426 (Window A)

You are about to close this intervention. The following actions will be taken:

Disposition	Limit Checking Disabled	New Media	New Priority
submit	no	CDROM	HIGH

Are you sure you want to take the action(s) listed above? (Clicking the Cancel button will bring you back to the Intervention Page for this intervention ID)

OK Cancel

INTERVENTION PLACED ON HOLD (Window C)

Intervention 4502105 has been placed on hold. The OM Database has been updated with the changes.

OK

OM GUI

Request Management (cont.)



Request Management – HEG Interventions

- HEG Interventions processing involve “line items” and associated detailed links. HEG orders contain a mix of granule types. The Open HEG Interventions page provides Operator the capability to:

- Assign/Change Worker.
- Fail selected granule(s).
- Fail a request.
- Change request’s disposition level.

- **Open Interventions Page has three working parts:**

- 1 – Current Filter – pre-defined filter criteria.
- 2 – Options – features to change filter, bulk fail or bulk submit requests.
- 3 – Listing – requested distribution filtered output.

1	Current Filters	2	Options	3	Listing
	Fields		Actions		Fields
	Order ID		Change Filter		Sel <input type="checkbox"/> Fail <input type="checkbox"/> Sub
	Creation Time: ^ Start ^ End		Bulk Fail <input type="checkbox"/> All <input type="checkbox"/> None		Order ID
	Media Type		Bulk Submit <input type="checkbox"/> All <input type="checkbox"/> None		Request ID
	Request ID				Media Type
	Worked By				Request Size (MD)
	Explanation				Status
					Worked By
					Created
					Acknowledged
					Explanation(s)

OM GUI

Request Management (cont.)

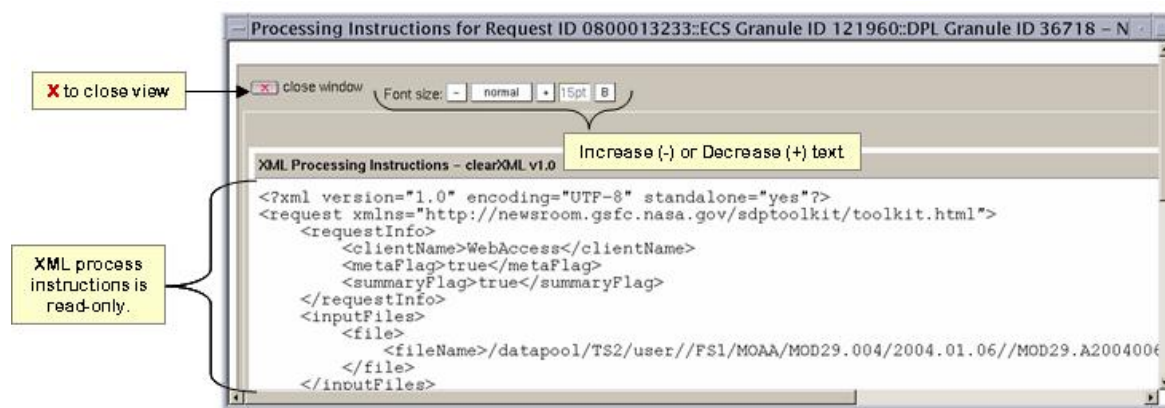


❑ Request Management – HEG Interventions

▪ Procedure: Viewing/Responding to Open Interventions

- Click **Request Management** menu, then click submenu **HEG Interventions**.
- Specify the **Show <number> rows at a time** display: Under **Listing**, select **20**.
- View open HEG Interventions For Request <ID> details: Click a specified **Request ID** <number>.
- Assign a Worker: Click the **assign** link and enter <employeeID> in input box, then click the **green-checked** button to confirm.
- View processing instructions detailed data related to a granule ID, click **[View...]** link, under the **Processing Instructions** column heading in the **Input Granule List** section of the details page. Click the red, **X-close window** link, returns to open HEG Interventions For <Request ID> page.

❖ Figure: Processing Instructions for Request <ID> Window



OM GUI

Request Management (cont.)



❑ Request Management – HEG Interventions

▪ Procedure: Viewing/Responding to Open Interventions

- To Fail Action(s) on request(s): Under **Input Granule List** section, select the **Fail** or **Select all** (bulk fail) checkbox under the **Action** column section. Select one or more **Request Level Disposition** options. Enter **Operator Notes**. Click **Apply** to commit/submit action, then click **OK** button to confirm closure of the Intervention(s).

❖ Figure: Close Confirmation For Intervention <ID> Page

CLOSE CONFIRMATION FOR INTERVENTION 6500901

You are about to close this intervention.

The following actions will be taken:

Disposition	Limit Checking Disabled	New Media	New Priority
Resubmit, retrying failed granules	no		

PLEASE NOTE: Any granules marked "failed by operator" will attempt to be reprocessed. If this is not what you wanted, go back and select the "Submit" disposition, which will permanently remove any "failed by operator" granules from the request.

Are you sure you want to take the action(s) listed above?
(Clicking the Cancel button will bring you back to the Intervention Page for this intervention ID)

OK Cancel

- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Request Management (cont.)



❑ Request Management – HEG Interventions

❖ Figure: Open HEG Interventions Page

Open HEG Interventions

Current Filters

Order ID: None Request ID: None Worked By: None
Creation Time: Start: Jan 1 2006 00:00 End: Dec 7 2007 03:10PM
Media Type:

Explanation:

Archive Host Cannot be Reached,
Collect Media For QC,
Failed Validation Of Configured Destination,
Failed by Operator, Failed transferring,
File not found in Archive, File not found in Archive,
Ftp Login Errors,
FtpPush Directory does not Exist or No Write Permission,
Granule exceeds media capacity, Granule failed staging,
Heg Processing Error, Heg Processing Error, Invalid Host Address, Invalid Password, Invalid UR/Granule Not Found,
Max Retry Reached, Max Retry Reached, Max time allowed for Ftp Push Exceeded, Maximum Granule Count Exceeded,
Media Creation Error, Media Creation Stopped, Request Resubmitted, Request suspended by Operator,
Request suspended by Server, Transfer failed, Waiting For device assignment

Options

Change Filter

Bulk Fail

Bulk Submit

☐ All ☐ None ☐ All ☐ None

Click on a request ID to view more details.

Listing

Go directly to row of 4 rows Show 50 rows at a time.

[first](#) | [previous](#) | Showing 1 - 4 of 4 | [next](#) | [last](#)

Sel	Fail	Sub	Order ID	Request ID	Media Type	Request Size(MB)	Status	Worked By	Created	Acknowledged	Explanation(s)
<input type="checkbox"/>	<input type="checkbox"/>		0800000087	0800000091	FtpPull	30	PENDING		Sep 7 2006 1:58PM		Heg Processing Error
<input type="checkbox"/>	<input type="checkbox"/>		0800000088	0800000092	FtpPull	58	PENDING		Sep 7 2006 3:10PM		Heg Processing Error
<input type="checkbox"/>	<input type="checkbox"/>		0800000089	0800000093	FtpPull	30	PENDING		Sep 11 2006 3:04PM		Heg Processing Error Duplicate Req. Ids:

OM GUI

Request Management (cont.)



Request Management – HEG Interventions

❖ Figure: Open HEG Interventions For Request <ID> Details Page and its Table (Fields and Actions).

Intervention For Request 0800013233

Order ID: 0800014646 User ID: ECSGuest (y6@p2ins02.pvc.ecs.nasa.gov)
 Request ID: 0800013233 Created: Apr 5 2005 2:08PM
 Input Size: 22 estimated MB Acknowledged:
 Media Type: CDROM Request Status: Operator Intervention
 Priority: NORMAL
 Explanation(s): Heg Processing Error
 Worked by: - no worker assigned - [assign]

Input Granule List

Go directly to row: of 2 rows Show rows at a time

first | previous | Showing 1 - 2 of 2 | next | last

Granule ID	DPL ID	ESDT	Type	Processing Instructions	In Size (MB)	Out Size (MB)	Status	Explanation	Action
121960	36718	MOD29.004	SC	[View...]	19.272		FAILED	Heg Processing Error Manual fail required	Fail <input type="checkbox"/>
121961	38468	MOD29.004	SC	[View...]	3.152	8.404	STAGED		

Select all ☐ Submit Actions

first | previous | Showing 1 - 2 of 2 | next | last

Request Level Disposition

☒ Keep on hold
☐ Submit
☐ Resubmit and retry processing of failed granules
☐ Fail Request

Operator Notes
 0 of 255 max characters

Apply reset

1	Intervention For Request <n>	2	Input Granule List	3	Request Level Disposition
	Fields		Fields		Actions
	Order ID		Granule ID		<input type="checkbox"/> Keep on hold
	Request ID		DPL ID		<input type="checkbox"/> Submit
	Input Size		ESDT		<input type="checkbox"/> Resubmit and retry processing of failed granules
	Media Type		Type		<input type="checkbox"/> Fail Request
	Priority		Processing Instructions [View...]		Operator Notes (input field)
	Explanation(s)		In Size (MB)		Apply
	Worked by [assign]		Status		reset
	User ID		Explanation		
	Created		Action <input type="checkbox"/> Fail <input type="checkbox"/> Select all		
	Acknowledge		Submit Actions		
	Submit Actions				

OM GUI

Request Management (cont.)



❑ Request Management – Completed Operator Actions and Interventions

- Displays all recently closed interventions, including those that have been resubmitted, partitioned or failed. By default, the interventions are filtered by “completion time,” within the last 24 hours.
- Operator defined filtered results displays on page as described in this table:

1	Filter	2	filter display
	Options		Fields
	Intervention Type: <input type="checkbox"/> All <input type="checkbox"/> None		Order Id
	▼ Intervention Types : ▪ Activate Media for QC ▪ Activate Request ▪ Assemble Package ▪ Collect Media for QC ▪ Dismount Media from Production ▪ HEG Error ▪ Media Creation Error ▪ Mount Media for Production ▪ Mount Media for QC ▪ Operator Intervention ▪ QC Failed		Request Id
	Worked By		User ID
	Completion Time: <input type="checkbox"/> Apply <input type="checkbox"/> Reset		Size (MB)
			Media
			Worked By
			Intervention Type
			Created
			Completed
			Disposition

OM GUI

Request Management (cont.)



- ❑ Request Management – Completed Operator Actions and Interventions
 - Procedure: Viewing/Filtering Completed Operator Actions and Interventions
 - Click **Request Management** menu, then click submenu **Completed Actions and Interventions**.
 - ❖ **Figure: Completed Operator Actions and Interventions**

- Specify the **Show <number> rows at a time** display: Under Filter, select **20**.
- To define the filter criteria: Under the **Filter** section, select one or more **Intervention Type**; select an available User or All Users from the **Worked By** list box, then define the **Completion Time** (the start to end times). Finally, click the **Apply** button to apply the filter.
- The Completed Operator Actions and Interventions page refreshes with the filtered results.
- To display detailed information of a request, click a **Request Id <number>** link in the list to display the **Completed Operator Action For Request <ID>** page.

OM GUI

Request Management (cont.)



❑ Request Management – Completed Operator Actions and Interventions

▪ Procedure: Viewing/Filtering Completed Operator Actions and Interventions

- To view Processing Instructions (details) related to a granule ID: Click the **View...** link, under **Processing Instructions** column heading in the **Granule List** section of page. Click the **red-X close window** text to return to the **Completed Operator Action For Request <ID>** page.

❖ Figure: Completed Operator Action For Request <ID> Page

COMPLETED OPERATOR ACTION FOR REQUEST 0300004074

User Id: ECSGuest email: oladele_ogunsuyi@raytheon.com Priority: NORMAL

Order Id	Size (MB)	Media	Worked By	Intervention Type	Created	Completed	Disposition	Explanation
0300003691	49	CDROM		Activate Media for QC	Apr 15 2005 1:49PM		Request Activated	Waiting For device assignment

Granule List

Go directly to row of 2 rows Show rows at a time.

[first](#) | [previous](#) | Showing 1 - 2 of 2 | [next](#) | [last](#)

DBID	ESDT Type	Size (MB)	Status	Processing Instructions	Explanation
21221 DPL Granule ID: 1432	MOD13A2.004 SC	18.702	STAGED	View...	
21219 DPL Granule ID: 45	MOD13A2.004 SC	30.369	STAGED	View...	

[first](#) | [previous](#) | Showing 1 - 2 of 2 | [next](#) | [last](#)

OPERATOR NOTES

View... links to the granule processing instructions window.

- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Request Management (cont.)



- ❑ **Request Management – Distribution Requests [filter]**
 - **The Distribution Request page allows Operators (either full-capability or limited-capability) the ability to filter and view lists of all currently distributed requests processed through Order Manager from all order sources. The data distribution functions eligible on requests:**
 - Suspend new request processing.
 - Suspend or cancel individual requests.
 - Change the priority of any request.
 - **In addition to these capabilities, the Operator can view extensive details of FTP Push distribution and staging requests by selecting order id or request id column links.**
 - **OM GUI pages are tracked with a Session ID, which provides the Operator quick access to filter options used during a particular session:**
 - For example, an individual Operator's previously defined filter criteria can be retrieved from the Session data so the filter criteria do not have to be redefined every time.

OM GUI

Request Management (cont.)



❑ Request Management – Distribution Requests [filter]

▪ Open Interventions Page has three working parts:

- 1 – Current Filter (Frame 1) – pre-defined filter criteria.
- 2 – Options (Frame 2) – change filter, bulk cancel (All or None), bulk resume.
- 3 – Listing (Frame 3) – captures requested distributions filtered output.

1	2	3
Current Filters	Options	Listing
Display	Options	Fields
OrderID	Change Filter	Sel
Creation Time: Start (date & time) End (date & time)	Bulk Cancel <input type="checkbox"/> Select All <input type="checkbox"/> Select None	Ord Typ
Media Type	Bulk Resume <input type="checkbox"/> Select All <input type="checkbox"/> Select None	<u>OrderID</u> RequestID
Request ID		Request Size (MB)
E-Mail		Gran Cnt
Status		Media
First Name		Priority
Last Name		Request Status
Order Type		ESDT
User ID		UserID
		Resub Cnt
		Created
		Last Update
		Actions <input type="checkbox"/> Resubmit

OM GUI

Request Management (cont.)



❑ Request Management – Distribution Requests [filter]

▪ Procedure: Viewing/Filtering Distribution Requests Data

- Click **Request Management** menu, then click submenu **Distribution Requests [filter]**.
- To perform a specific action (suspend, resume, cancel resubmit or stop a distribution request) on a distribution request from the **Actions** column options, on the page:
 - Click the appropriate **Action** button associated with the request (or the **appropriate button** in the **Action** row on the Distribution Request Detail page), then click the **applicable response** from the associated actions dialog box.
- To define the filter criteria: Under the **Options** section, click the **Change Filter** button to display two filter criteria sections for **Individual** or **Combined Filters**. Then create a combined filter as follows:
 - Select a **Start Time** and **End Time**.
 - Make multiple **Status Select** selections using the **<Ctrl>** key.
 - Select **All** for **Media Type Select**.
 - Select **HEG** for **Order Type Select**, then click **Apply Combined Filters** button.
- The Distribution Requests Filters window closes and displays the Distribution Requests results.
- To display profile information for a request, click **ECSGuest** under the **UserID** column.
- The PROFILE FOR ECSGuest Order ID <ID> window displays six information parts.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Request Management (cont.)



Request Management – Distribution Requests [filter]

❖ Figure: Distribution Requests Page and Filter Window

A

Distribution Request page working sections.

Current Filters

Order ID: None Request ID: None E-Mail: None First Name: None Last Name: None
 Creation Time: Start: Nov 12 2007 02:08PM End: Jan 29 2008 11:45AM Order Type: REG User ID: None
 Parent P ID: Status: ALL
 Media Type: Options

Options

Change Filter Bulk Cancel Bulk Resubmit
☐ Select All ☐ Select None

Listing

Go directly to row: of 8 rows Show: 50 rows at a time.

first | previous | Showing 1 - 8 of 8 | next | last

Sel	Ord Typ	OrderID	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
<input type="checkbox"/>	HEG	0800001513 0800001595	30	1	FtpPull		Shipped	MOD13A2 004	ECSGuest	0	Jan 17 2008 1:29PM	Jan 17 2008 1:31PM	Resubmit
<input type="checkbox"/>	HEG	0800001509 0800001591	30	1	FtpPull		Canceled	MOD13A2 004	ECSGuest	2	Jan 17 2008 9:39AM	Jan 17 2008 1:27PM	Resubmit
<input type="checkbox"/>	HEG	0800001506 0800001568	30	1	FtpPull								Resubmit
<input type="checkbox"/>	HEG	0800001505 0800001587	24	1	FtpPull	NORMAL							Cancel
<input type="checkbox"/>	HEG	0800001494 0800001576	87	1	FtpPull	NORMAL							Cancel
<input type="checkbox"/>	HEG	0800001493 0800001573	192	1	FtpPull	NORMAL							Cancel
<input type="checkbox"/>	HEG	0800001492 0800001574	581	1	FtpPull	NORMAL							Cancel
<input type="checkbox"/>	HEG	0800001444 0800001526	564	1	FtpPull	NORMAL							Cancel

first | previous | Showing 1 - 8 of 8 | next | last

AutoRefresh Control Panel [ON]
 Refresh screen every 5 minutes
 AutoRefresh: ☐ on ☐ off

B

Distribution Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID: Request ID: E-Mail: First Name: Last Name: Clear

Combined Filters

Request Creation Date Filters

Start Time: Month: Day: Year: Hour: Min: Sec: End Time: Month: Day: Year: Hour: Min: Sec:

A selection must be made for mediaFilter and statusFilter and orderTypeFilter values

Status Select: All None MediaType Select: All None OrderType Select: All None

Report: All None Archived: All None Active: All None Being processed: All None Running: All None

User ID: Apply Combined Filters

Set Defaults Apply Defaults Close Window

RequestID displays:

1. Distribution Request <ID> Data
2. Request Notes (↑ 2040 characters)
3. Profile Information
4. Request Granules information:
 - a) DBID
 - b) ESDT Type
 - c) Processing Instructions

Priority:

Low
Normal
High
VHigh
XPress

Individual or combined filtering capability.

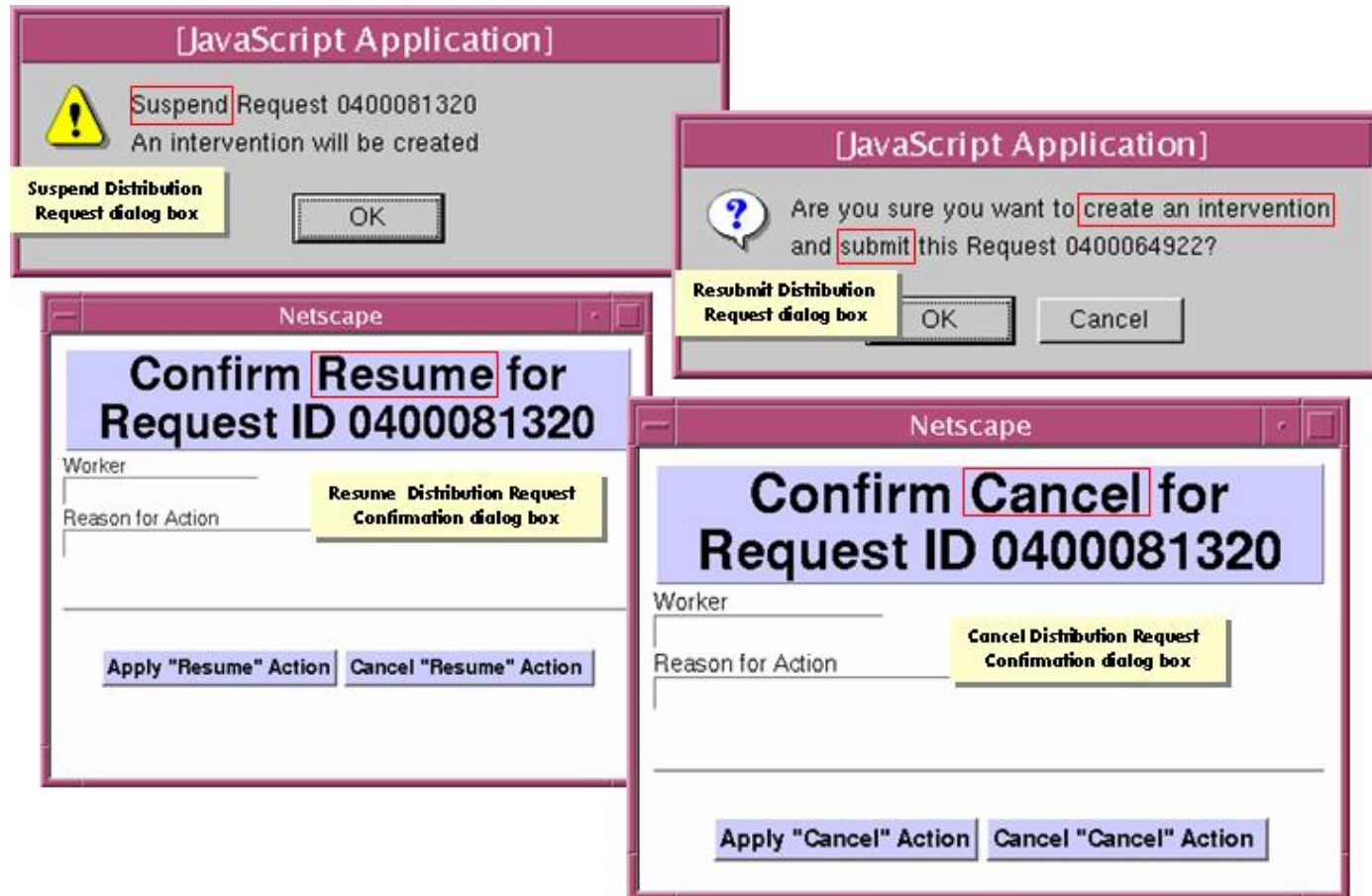
OM GUI

Request Management (cont.)



❑ Request Management – Distribution Requests [filter]

❖ Figure: Distribution Requests Actions Response Dialog Boxes



OM GUI

Request Management (cont.)



❑ Request Management – Distribution Requests [filter]

❖ Figure: PROFILE FOR ECSGuest Orderid <ID>

PROFILE FOR ECSGuest Orderid 0800001509			
Contact Information	CONTACT INFORMATION Name: F Paris E-Mail address: Faye_E_Paris@raytheon.com Organization: User Verification Key: Affiliation: Project: Home DAAC: Primary area of study:	ACCOUNT INFORMATION Date created: Expiration date: Privilege level: NASA user: Access privilege: V0 Gateway user type: V0 Gateway category:	Account Information
	CONTACT ADDRESS Address: City: State/Province: Country: Zip/Postal code: Telephone: 123-456-7890 Fax:	DAR INFORMATION Aster category: DAR expedited data:	
Shipping Address	SHIPPING ADDRESS Title: First Name: F Middle Initial: Last Name: Paris Email: Faye_E_Paris@raytheon.com Address: City: not supplied State/Province: Country: not supplied Zip/Postal code: Telephone: 123-456-7890 Fax:	BILLING ADDRESS Title: First Name: Middle Initial: Last Name: Email: Organization: Address: City: State/Province: Country: Zip/Postal code: Telephone: Fax:	Billing Address

OM GUI

Request Management (cont.)



- ❑ **Request Management – Processing Service Requests [filter]**
 - **The Processing Service Requests page allows Operators (either full-capability or limited-capability) the ability to cancel or suspend the external processing requests still under OMS control. Although, requests under the external system can not be canceled or suspend by the Operator.**
 - **Processing Services Filter includes options to filter on external processing service (external subsetter requests) or HEG in addition to other selections.**

OM GUI

Request Management (cont.)



❑ Request Management – Processing Service Requests [filter]

▪ Procedure: Filtering Processing Service Requests

- Click **Request Management** menu, then submenu **Processing Service Requests [filter]**.
- To define a combined filter criteria:
 - Under the **Options section**, click the **Change Filter** button to display the **Processing Service Requests Filters** window.
 - Under the **Combined Filter** section of the filter, select **criteria**:
 - Request Creation Date (Start Time) = **“01 01 2007**
 - Status Select = **All** button
 - Media Type Select = **All** button
 - Process Service Select = **All** button
 - Click the **Apply Combined Filters** button, to apply the combined filter criteria and refresh the **Processing Service Requests** page.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Request Management (cont.)



❑ Request Management – Processing Service Requests [filter]

❖ Figure: Processing Services Requests Page (A) and Filter (B)

A

Processing Service Requests

Current Filters
 Order ID: None Request ID: None EMail: None Ref Name: None Last Name: None
 Creation Time: Start: Mar 19 2007 10:39AM End: May 1 2007 04:52PM User ID: None

Options
 Change Filter

Listing

Go directly to row of 63 rows Show rows at a time.
 first | previous | Showing 37 - 20 of 63 | next | last

OrderID RequestID	Processor	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
0800011037 0800017024	external subsetter 1	0	1	FtpPull	NO PERSAL Apply	Operator Intervention	MULTIPLE	ECSGuest	0	Apr 25 2007 1:14PM	Apr 25 2007 1:17PM	Inactive
0800011032 0800017020	external subsetter 1	0	1	FtpPull	NO PERSAL Apply	Operator Intervention	MULTIPLE	ECSGuest	0	Apr 25 2007 10:45AM	Apr 25 2007 10:48AM	Inactive
0800011030 0800017018	external subsetter 1	0	1			Operator Intervention	MULTIPLE	ECSGuest				
0800010997 0800016985	external subsetter 1	0	1	FtpPull		Shipped	MULTIPLE	ECSGuest				
0800010995 0800016983	external subsetter 1	0	1	FtpPull		Shipped	MULTIPLE	ECSGuest				
0800010993 0800016981	external subsetter 1	0	1	FtpPull		Shipped	MULTIPLE	ECSGuest				
0800010987 0800016975	external subsetter 1	0	1	FtpPull		Terminated	MOD13A2.004	ECSGuest				
0800010985 0800016973	external subsetter 1	0	1	FtpPull		Terminated	MOD13A2.004	ECSGuest				
0800010979 0800016967	external subsetter 1	0	1	FtpPull	NO PERSAL Apply	Waiting for data	MOD13A2.004	ECSGuest				

B

Processing Service Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID Request ID E-Mail
 First Name Last Name Clear Apply Individual Filters

Combined Filters

Request Creation Date Filters

Start Time Month Day Year Hour Min
 01 01 2007 02 35
 End Time Month Day Year Hour Min
 02 20 2008 02 39

Status Select
 All None
 Abort
 Aborted
 Active
 Being processed
 Canceled

MediaType Select
 All None
 FtpPut
 FtpPush

ProcessService Select
 All None
 NEG
 OTHER
 Subsetter1

User ID Parent EP Request ID Apply Combined Filters

Set Defaults Apply Defaults Close Window

OM GUI

Request Management (cont.)



- ❑ **Request Management – FtpPush/SCP (or Staging) Requests [filter] Page**
 - **Distribution filters allow Operators (either FC or LC) to view extensive details of FtpPush/SCP and/or Staging distribution requests currently processed through Order Manager (from all order sources).**
 - **FtpPush/SCP and Staging distribution requests pages allows Operator the priority of (or suspend) a distribution request while the to:**
 - Change requested granules are in a staged (or pushed) waiting state.
 - Resume a request that was suspended by the OM GUI Operator or while the processing of new requests by the OMS is suspended.
 - Resubmit a request in a terminal state (e.g., aborted, cancelled, terminated, or shipped).
 - Cancel a request that is not in a terminal state and while the requested granules are in a staged (or pushed) waiting state.

OM GUI

Request Management (cont.)



❑ Request Management – FtpPush/SCP (or Staging) Requests [filter] Page

▪ Procedure: Filtering FtpPush/SCP (or Staging) Requests

- Click **Request Management** menu, then submenu **FtpPush/SCP Requests [filter]** (or submenu **Staging Distribution Requests [filter]**) to display its page.

- ❖ **Figure: FtpPush/SCP Requests** page (A) and [filter] options (A1) and **Staging Requests** page (B) and [filter] options (B1)

A FtpPush / SCP Distribution Requests

Current Filters: Order ID: None, Request ID: None, E-Mail: None, First Name: None, Last Name: None, Creation Time: Start: Apr 22 2008 02:41PM, End: Apr 17 2008 00:42PM, User ID: None, Media Type: ALL, Status: ALL

Options: [Change Filter](#)

Listing: Go directly to row: of 0 rows. Showing 0 - 0 of 0 | [next](#) | [last](#)

Ord Typ	OrderID	Destination	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
first	previous	Showing 0 - 0 of 0	next	last										

B Staging Distribution Requests

Current Filters: Order ID: None, Request ID: None, E-Mail: None, First Name: None, Last Name: None, Creation Time: Start: Apr 17 2008 02:19PM, End: Apr 19 2008 07:08PM, Order Type: ALL, Media Type: ALL, Status: ALL

Options: [Change Filter](#)

Listing: Go directly to row: of 17 rows. Showing 1 - 17 of 17 | [next](#) | [last](#)

Ord Typ	OrderID	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
Regular	0800021879	< 5	1	FtpPull		Shipped	N	MOOPTQKM 086	EcsGuest	0	Apr 19 2008 6:20PM	Apr 19 2008 6:29PM	Resubmit
Regular	0800021878	0	1	FtpPull	NORMAL	Queued		MOOPTQKM 086	EcsGuest	0	Apr 19 2008 6:16PM	Apr 19 2008 6:16PM	Suspend Cancel
Regular	0800021877	< 5	1	FtpPull	NORMAL	Staging	N	MOOPTQKM 086	EcsGuest	0	Apr 19 2008 5:57PM	Apr 19 2008 5:58PM	Suspend Cancel
Regular	0800021876	< 5	1	FtpPull		Shipped	N	MOOPTQKM 086	EcsGuest	0	Apr 19 2008 5:14PM	Apr 19 2008 5:38PM	Resubmit
Regular	0800021875	< 5	1	FtpPull		Canceled	N	MOOPTQKM 086	EcsGuest	0	Apr 19 2008 4:39PM	Apr 19 2008 4:40PM	Resubmit
Regular	0800021874	< 5	1	FtpPull		Shipped	N	MOOPTQKM 086	EcsGuest	0	Apr 19 2008 4:31PM	Apr 19 2008 4:37PM	Cancelling

Combined Filters
Identifies differences in Combined Filters options for Distribution Requests Filters.

A1 FtpPush/SCP [filter]
Selection for only two Media Types

B1 Staging [filter]
Selection for multiple Media and Order Types

OM GUI

Request Management (cont.)



❑ Request Management – FtpPush/SCP (or Staging) Requests [filter] Page

▪ Procedure: Filtering FtpPush/SCP (or Staging) Requests (cont.)

- To define a combined filter criteria: Under the **Options** section of the FtpPush/SCP (or Staging) Distribution Requests page, click the **Change Filter** button to display the distribution requests filter.

❖ Figure: FtpPush/SCP (A) and Staging (B) Distribution Requests Filters.

A FtpPush / SCP Distribution Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID Request ID E-Mail

First Name Last Name Clear Apply Individual Filters

Combined Filters

Request Creation Date Filters

Start Time Month Day Year Hour Min 01 30 2008

End Time Month Day Year 01 31 2008

A selection must be made for statusFilter

Status Select All None

Abort Aborted Active Being processed Bundling

Media Type Select All None FtpPush SCP

User ID Parent EP Request ID Apply Combined Filters

Set Defaults Apply Defaults Close Window

B Staging Distribution Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID Request ID E-Mail

First Name Last Name Clear Apply Individual Filters

Combined Filters

Request Creation Date Filters

Start Time Month Day Year Hour Min 01 30 2008

End Time Month Day Year 01 31 2008

A selection must be made for statusFilter

Status Select All None

Abort Aborted Active Being processed Bundling

Media Type Select All None CDROM DLT DVD FtpPull FtpPush

Order Type Select All None BD EP HEG MM Regular

User ID Parent EP Request ID Apply Combined Filters

Set Defaults Apply Defaults Close Window

Selection for only two Media Types

Selection for multiple Media and Order Types

Identifies differences in combined filter options for Distribution Requests Filters. Individual filter options are the same for all distribution requests filters (frames A and B).

OM GUI

Request Management (cont.)



❑ Request Management – FtpPush/SCP (or Staging) Requests [filter] Page

▪ Procedure: Filtering FtpPush/SCP (or Staging) Requests (cont.)

- Under the **Combined Filter** section of the filter, select **criteria**:
 - Request Creation Date (Start Time) = “**01 01 2007**”
 - Status Select = **All** button
 - Media Type Select = **All** button
 - Order Type Select (for Staging) = **All** button.
- Click the **Apply Combined Filters** button, to apply the combined filter criteria and close the **FtpPush/SCP (or Staging) Distribution Requests Filters** window. The **FtpPush/SCP (or Staging) Distribution Requests Filters** page displays with the applied combined filter results.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Request Management (cont.)



❑ Request Management – Operator Alerts

- **The Operator Alerts page displays informative non-fatal warnings or distribution resources errors and will not cause an Operator intervention.**
- **Alerts clears automatically once error is corrected.**
- **Operators (both FC or LC) can view four alert types detected by the Order Manager Server:**
 - 1 – **FtpPush/SCP Destination Alerts** are alerts for destination problems not sufficient to cause an Operator intervention (i.e., suspended FtpPush/SCP destination).
 - 2 – **Data Pool File System Alerts** generates warnings regarding malfunctions of the DPL file system (i.e., server down, no free space).
 - 3 – **Archive Server (Quick Server) Alerts** detects warnings regarding the Quick Server malfunctions which suspends the archive server and queues the alerts display.
 - 4 – **ECS Server Alerts** (AIM database errors warnings) detects warnings regarding the AIM malfunctions or OMS resources (i.e., server down).
- **The Alerts page has two display parts:**
 - 1 – **Show <number> rows at a time** displays limited records (5 to 100) on page.
 - 2 – **Display <list> alerts** displays alerts type by group.

OM GUI

Request Management (cont.)



Request Management – Operator Alerts

Procedure: Handling Operator Alerts

➤ Click **Request Management** menu, then submenu **Operator Alerts** to display its page.

❖ **Figure: Operator Alerts Page (A) and Alert Details Page (B-C)**

A Operator Alerts

Listing

Show 10 rows at a time. Display ALL alerts

first | previous | Showing 1 - 4 of 4 | next | last

Alert Type	Alert Info	Explanation	Creation Time
DS	DESTINATION:HOST:f2acs01	Max time allowed for Ftp Push Exceeded	May 9 2006 11:13AM
PS	PDS	Submission to PDS Suspended	Jan 26 2006 10:15AM
FtpPush	FtpPush DESTINATION:HOST:xserv01	Ftp Login Errors	Jan 9 2008 11:14AM
FtpPush	FtpPush DESTINATION:HOST:198.117.129.135	FtpPush Host not reachable	Nov 8 2007 10:05AM

first | previous | Showing 1 - 4 of 4 | next | last

Note: All operator alerts are also sent as email to: ecstest.mail@gmail.com [Change]

“[Change]” links to OMS Server and Database Configuration Parameters

“details...” links to expanded information on cause of alert

B Ftp Push Monitor – Active Configured Destination

Destination Name OTHER Host Name f2acs01

FtpPush Requests List For this Destination

Listing

Go directly to row: ok of 28 rows Show 5 rows at a time

first | previous | Showing 1 - 5 of 28 | next | last

Ord Type	OrderID	Request Size(MB)	Gran Cnt	Priority	Request Status	Resource Class	ESDT	UserID	Result Cnt	Created	Last Update	Actions
Regular	2000010010	< .5	1	0	Canceled	C	ECSBBR 001	ECSGuest	0	Jun 7 2007 10:21AM	Jan 11 2008 11:36AM	
Regular	2000010011	< .5	1	0	Canceled	C	ECSBBR 001	ECSGuest	0	Jun 7 2007 10:21AM	Jan 11 2008 11:36AM	
Regular	2000010009	< .5	1	0	Canceled	C	ECSBBR 001	ECSGuest	0	Jun 7 2007 10:15AM	Jan 11 2008 11:36AM	
Regular	2000010008	< .5	1	0	Canceled	C	ECSBBR 001	ECSGuest	0	Jun 7 2007 8:46AM	Jan 11 2008 11:36AM	
Regular	2000009477	25	1	0	Canceled	C	MOD11_L2.001	ECSGuest	0	Mar 23 2007 2:07PM	Jan 11 2008 11:22AM	

first | previous | Showing 1 - 5 of 28 | next | last

C Ftp Push Monitor – Suspended Configured Destination

Destination Name OTHER Host Name xserv01

Destination Failed Request List

Request ID	ECS Granule ID	DPS Granule ID	Last Update	Size (MB)	Explanation
2000013938	19729	16617	Jan 9 2008 12:14PM	0.2584	Request Cancelled
2000013938	19730	16616	Jan 9 2008 12:14PM	0.2070	Request Cancelled
2000013938	19731	16615	Jan 9 2008 12:14PM	0.1457	Request Cancelled
2000013938	19732	16618	Jan 9 2008 12:14PM	0.1310	Request Cancelled
2000013938	19733	16624	Jan 9 2008 12:14PM	0.6161	Request Cancelled
2000013938	19734	16614	Jan 9 2008 12:14PM	0.1220	Request Cancelled
2000013938	19735	16621	Jan 9 2008 12:14PM	0.2699	Request Cancelled
2000013938	19736	16613	Jan 9 2008 12:14PM	0.1735	Request Cancelled
2000013938	19737	16620	Jan 9 2008 12:14PM	0.2826	Request Cancelled
2000013938	19738	16630	Jan 9 2008 12:14PM	0.1455	Ftp Login Errors

FtpPush Requests List For this Destination

Listing

Go directly to row: ok of 1 row Show 5 rows at a time

first | previous | Showing 1 - 1 of 1 | next | last

Ord Type	OrderID	Request Size(MB)	Gran Cnt	Priority	Request Status	Resource Class	ESDT	UserID	Result Cnt	Created	Last Update	Actions
Regular	2000013582	2	10	0	Operator Intervention	C	MOD14.005	ECSGuest	2	Jan 9 2008 11:14AM	Jan 9 2008 12:15PM	

first | previous | Showing 1 - 1 of 1 | next | last

OM GUI

Request Management (cont.)



❑ Request Management – Operator Alerts

▪ Procedure: Handling Operator Alerts (cont.)

- To view email parameters configuration (located at left-bottom of page): Click **[Change]** link to display the OMS Server and database Configuration: Email parameters page. After viewing, click the **Previous Page** (◀) button to return to the Operator Alerts page.

❖ Figure: Operator Alerts Page Table (Fields and Options)

1

Listing

Options

Show ____ ▼ rows at a time:

▼ Values:

- 5
- 10
- 20
- 50
- 100

Display ____ ▼ alerts:

▼ Alert Types:

- ALL
- Archive
- Data Pool
- Ftp Push
- scp

2

Listing

Fields

Alert Type

[details...](#)

Ord Typ

OrderID

RequestID

Request Size (MB)

Gran Cnt

Priority

Request Status

Resource Class

ESDT

UserID

Resub Cnt

Created

Last Update

Actions

Alert Info

Explanation

Creation Time

Alert Info Details' column headings

OM GUI

Request Management (cont.)



❑ Request Management – Operator Alerts

▪ Procedure: Handling Operator Alerts (cont.)

- To view all FtpPush requests: Under the **Listing** section header, select **FtpPush** from **Display <list> alerts** list box.
- View the displayed FtpPush listing.
- To display extended details affecting the request, select **details...** associated with the request under the **Alert Info** column.
- Return to the **Order Manager Home** page, on left-pane of OM GUI, click the **HOME** link.

Order Manager GUI

Destination Monitor



❑ OM GUI – DESTINATION MONITOR

- The full-capability Operator is provided monitoring capability to suspend distributions.
- OM Destination Monitor submenu:
 - Suspended Destinations.

OM GUI

Destination Monitor (cont.)



❑ Destination Monitor – Suspended Destinations

- **Full-capability Operator views suspended Ftp Push/SCP destinations and can perform several kinds of actions, with respect to suspended Ftp Push/SCP destinations from the Suspended Destinations page:**
 - Resume suspended destinations.
 - Suspend active destinations.
 - View details of active or suspended destinations.
 - **In addition, the Operator can perform destination details page actions:**
 - Change the priority of a distribution request associated with the FtpPush destination while granules for the request still need to be staged or while granules for the request still need to be pushed.
 - Suspend a request that still needs to be staged or while granules for the request still need to be pushed.
 - Resume a request that was suspended by the OM GUI operator or while the processing of new requests by the OMS is suspended.
 - Cancel a request that is not in a terminal state and while granules for the request still need to be staged or while granules for the request still need to be pushed.
- **The limited-capability Operator is not allowed to change the priority of, suspend, resume, cancel or resubmit distribution requests.**

OM GUI

Destination Monitor (cont.)



❑ Destination Monitor – Suspended Destinations

▪ Procedure: Viewing/Responding to Suspended FTP Push Distribution Destinations

- Click **Destination Monitor** menu, then click submenu **Suspended Destinations**.
- To **resume a suspended destination**: Click the **Resume** button under **Resume** column (if applicable).
- The destination is resumed and the Suspended Destinations page list refreshes.
- To **suspend an active destination** or **view destination details** of an active or suspended destination: Enter **Destination Name** or **Host Name (FTP Node)** in text fields under Active Destinations section, then click **applicable button** (Suspend or View Requests).
- **NOTE:** Data in the FtpPush Requests List For this Destination section are not in a “terminal” state.
- To **view suspended destinations details**: Click the **Host Name** link on the Suspended Destination Monitor.
- The list of failed destination requests displays in the FtpPush Monitor page.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Destination Monitor (cont.)



❑ Destination Monitor – Suspended Destinations

❖ Figure: Suspended Destinations Monitor (A) and Ftp Push Monitor-Suspended Configured Destination (B) Pages

A

Suspended Destinations Monitor							
Media Type	Destination Name	Host Name	Time of Suspension	Granules Queued Count	Granules Queued Size MB	Suspend Reason	Resume
FtpPush	OTHER	xserv01	Jan 9 2008 11:15AM	10	2	Ftp Login Errors	Resume
FtpPush	OTHER	198.117.129.135	Nov 8 2007 10:05AM	0	0	FtpPush Host reachable	Resume

B

Destination Name: Configured name Host Name: The destination host name [Suspend](#) [View Requests](#)

Destination Failed Request List

Request Id	ECS Granule Id	DPL Granule Id	Last Update	Size (MB)	Explanation
2000013938	19729	16617	Jan 9 2008 12:14PM	0.2554	Request Canceled
2000013938	19730	16616	Jan 9 2008 12:14PM	0.2070	Request Canceled
2000013938	19731	16615	Jan 9 2008 12:14PM	0.1457	Request Canceled
2000013938	19732	16618	Jan 9 2008 12:14PM	0.1310	Request Canceled
2000013938	19733	16624	Jan 9 2008 12:14PM	0.6161	Request Canceled
2000013938	19734	16614	Jan 9 2008 12:14PM	0.1220	Request Canceled
2000013938	19735	16621	Jan 9 2008 12:14PM	0.2699	Request Canceled
2000013938	19736	16613	Jan 9 2008 12:14PM	0.1735	Request Canceled
2000013938	19737	16620	Jan 9 2008 12:14PM	0.2826	Request Canceled
2000013938	19738	16630	Jan 9 2008 12:14PM	0.1455	Ftp Login

FtpPush Requests List For this Destination

Ord Typ	OrderID (RequestID)	Request Size(MB)	Gran Cnt Complete	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
Regular	2000013582	2	10	NORMAL	Operator Intervention	C	MOD14.005	ECSGuest	2	Jan 9 2008 11:14AM	Jan 9 2008 12:15PM	Cancel

Other possible destinations listing:

Destination Failed Request List:

- FtpPush Requests List For this Destination
- SCP Requests List For this Destination

FTP Push Operations that Caused the Suspension:

- FTP Push Requests That Are Not In A Terminal State

Apply button **Cancel option**

Order Manager GUI

Archive Data



❑ OM GUI – ARCHIVE DATA

- The Operator (whether full-capability or limited capability) is provided with the option of viewing the repository for all historical distributed and processed requests on the OM GUI using filters.
- Archive Data submenus:
 - Historical Distribution Requests [filter].
 - Historical Processing Requests [filter].

OM GUI

Archive Data (cont.)



❑ Archive Data – Historical Distribution Requests Filter

- Provides a tool to view, by filtering the repository of archived distributed requests information on the OM GUI.
- Historical Distribution Requests Page has three working parts:
 - 1 – Current Filter (Frame 1) – pre-defined filter criteria.
 - 2 – Options (Frame 2) – features to change an individual or combined filter.
 - 3 – Listing (Frame 3) – requested distribution filtered output.

1	2	3
Current Filters	Options	Listing
Display	Options	Fields
OrderID	Change Filter	Ord Typ
Creation Time: Start (date & time) End (date & time)		<u>OrderID</u> RequestID
Status		Request Size (MB)
Request ID		Gran Cnt
E-Mail		Media
First Name		Request Status
Last Name		ESDT
Order Type		UserID
User ID		Resub Cnt
		Created
		Last Update

OM GUI

Archive Data (cont.)



❑ Archive Data – Historical Distribution Requests Filter

▪ Procedure: Viewing Historical Distribution Requests

- Click **Archive Data** menu, then click submenu **Historical Distribution Requests [filter]**.
- Display data in a specific sort order: Click a specified underscored **column header**.
- Display more detailed data concerning a particular order or request: Click the **Order<ID>** or **Request <ID>** under the identifying column header.
- Click the navigation **Previous Page (<)** button and return to the **Historical Distribution Requests [filter]** page.

❖ Figure: Historical Distribution Requests Page (A) and Historical Distribution Requests Filter (B)

A

B

Individual or combined filtering capability.

OM GUI

Archive Data (cont.)



❑ Archive Data – Historical Distribution Requests Filter

▪ Procedure: Viewing Historical Distribution Requests (cont.)

- To apply a filter to the **Historical Distribution Requests** listing, perform the following:
 - Click the **Change Filter** button, in the **Options** section of the page.
 - The Historical Distribution Requests Filters window displays.
 - Define **filter criteria**: Enter search data for any one field of the **Individual Filter**, then select **multiple options for one or more fields** of the **Combined Filter**. Click the **Apply Combined Filter** (or Apply Individual Filter) button to apply the filter criteria and view the filtered results.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Archive Data (cont.)



❑ Archive Data – Historical Processing Requests Filter

- Provides a tool to identify and filter archived external processing requests, by external subsetting processor on the OM GUI. Specific external processing services or HEG requests can be filtered.
- Historical Processing Requests Page has three working parts:
 - 1 – Current Filter (Frame 1) – pre-defined filter criteria.
 - 2 – Options (Frame 2) – features to change an individual or combined filter.
 - 3 – Listing (Frame 3) – requested distribution filtered output.

1	2	3
Current Filters	Options	Listing
Display	Options	Fields
OrderID	Change Filter	Ord Typ
Creation Time: Start (date & time) End (date & time)		<u>OrderID</u> RequestID
Status		Request Size (MB)
Request ID		Gran Cnt
E-Mail		Media
First Name		Request Status
Last Name		ESDT
Order Type		UserID
User ID		Resub Cnt
		Created
		Last Update

OM GUI

Archive Data (cont.)



❑ Archive Data – Historical Processing Requests Filter

▪ Procedure: Viewing Historical Processing Requests

- Click **Archive Data** menu, then submenu **Historical Processing Requests [filter]**.
- Display data in a **specific sort** order: Click a specified underscored **column header**.
- Display more **detailed data** concerning a particular order or request: Click the **Order<ID>** or **Request <ID>** under the identifying column header.
- Click the navigation **Previous Page (<)** button, to return to the **Historical Processing Requests [filter]** page.
- To **apply a filter** to the Historical Processing Requests listing, perform the following:
 - Click the **Change Filter** button, in the **Options** section of the page.
 - The Historical Processing Requests Filters window displays.
 - Define **filter criteria**: Enter search data for any one field of the **Individual Filter**, then select multiple options for one or more fields of the **Combined Filter**. Click **Apply Combined Filter** (or **Apply Individual Filter**) button to apply filter criteria and **view the filtered results**.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

Archive Data (cont.)



❑ Archive Data – Historical Processing Requests Filter

❖ Figure: Historical Processing Requests Page (A) and Historical Processing Requests Filter (B)

A

Historical Processing Requests

Current Filters
 Order ID: None Request ID: None E-Mail: None First Name: None Last Name: None
 Creation Time: Start: Mar 9 2006 06:32PM End: Apr 17 2007 10:56PM User ID: None

Options

Listing
 Go directly to row of 14 rows Show rows at a time.
[first](#) | [previous](#) | Showing 1 - 14 of 14 | [next](#) | [last](#)

OrderID RequestID	Processor	Request Size(MB)	Gran Cnt	Media	Request Status	ESDT	UserID	Resub Cnt	Created	Last Updat
0300076633 0300074856	Subsetter1	< .5	1	FtpPush	Shipped	MOD11A1.004	ECSGuest	0	Sep 21 2006 4:29PM	Sep 21 200 4:32PM
0300076626 0300074847	OTHER	6	1	FtpPull	Operator Intervention	MOD11A1.004	ECSGuest	0	Sep 21 2006 4:14PM	Sep 21 200 4:21PM
0300076604 0300074823	OTHER	0	1	FtpPull	Aborted	MOD11A1.004	ECSGuest	0	Sep 21 2006 3:16PM	Sep 21 200 3:41PM
0300076598 0300074817	OTHER	0	1	FtpPull	Abort	MOD11A1.004	ECSGuest	0	Sep 21 2006 1:27PM	Sep 21 2006 1:27PM
0300076209 0300074424	OTHER	< .5	1	FtpPull	Canceled	MOD11A1.004	ECSGuest	0	Sep 14 2006 10:30AM	Sep 14 2006 11:31AM
0300076202 0300074417	Subsetter1	0	1	FtpPull	Terminated	MOD11A1.004	ECSGuest	0	Sep 13 2006 2:39PM	Sep 13 2006 2:42PM
0300076200 0300074415	Subsetter1	< .5	1	FtpPull	Operator Intervention	MOD11A1.004	ECSGuest	0	Sep 13 2006 2:32PM	Sep 13 2006 2:34PM
0300076195 0300074410	Subsetter1	3	1	FtpPush	Operator Intervention	MOD11A1.004	dd7c88526a35ad	0	Sep 13 2006 2:26PM	Sep 13 2006 2:29PM

B

Historical Processing Requests Filters

Individual Filters
 Enter only one of the individual filters
 Order ID: Request ID: E-Mail:
 First Name: Last Name:

Combined Filters
 Request Creation Date Filters
 Start Time: Month: Day: Year: Hour: Min:
 End Time: Month: Day: Year: Hour: Min:
 Status Select:
 MediaType Select:
 ProcessService Select:
 User ID: Parent EP Request ID:

Individual or combined filtering capability.

Order Manager GUI

OM Status Pages



□ OM GU – OM STATUS PAGES

- The Operator (full or limited capability) is provided summary information on current requests processing states, with the option of invoking queries to view the statuses on the on the OM Status Pages. The status pages parameters are modifiable using the OM Configuration Server/Database submenu options.
- **[NOTE:** Use the Server/Database Configuration menu to set database and server parameters to "fine tune" the Order Manager Server and the database. These are general parameters that affect the entire system, but no particular media types.]
- **OM Status Pages submenus:**
 - OM Queue Status.
 - HEG Order Status.
 - Staging Status:
 - Media Type.
 - FTP Push Destination.
 - SCP Destination.
 - Pending HEG Granules.
 - DPL File System Status.

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – OM Queue Status

- Full-capability Operator monitors and modifies the current status of request queues for all media, including for OMS, e-mail, staging and HEG request queues.
- The limited-capability Operator can only monitor activities of the queue status page, but cannot change status of queues.
- The OM Queue Status page displays (toggles) in both a graphical Text-only version (for visually impaired) or a plain-formatted Normal version.
- Both Operators (FC and LC) can determine the status (up or down) of the Order Manager Server:
 - **UP** (green): OM Server is currently operation.
 - **DOWN** (red): OM Server is not currently operating.
- **[NOTE:** The status of the OM Server is determined by a program called “Sweeper,” which makes an attempt to connect with the OM Server. If a connection cannot be made, it is assumed that the OM Server is down. If Sweeper was not installed correctly, either the error screen is displayed with a Sweeper error message or the Sweeper error message is displayed right on the OM Queue Status page itself. This does not necessarily mean that the OM Server is down.]

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – OM Queue Status

▪ Procedure: Viewing/Modifying OM Queue Status

- Click **OM Status Pages** menu, then click submenu **OM Queue Status**.
- Toggle a different version of page: Click the **Text-only version** link in upper-right of page.
- Observe the information displayed under **Current Request Processing States**:



- **Green (no letter or A)** – the queue is active (or resumed by either Operator or Server (automatic) intervention).
 - **Red (no letter or O)** – the queue was manually suspended by Operator or if yellow (O), that the queue is suspend in progress.
 - **Red (S)** – the queue was automatically suspended by OM Server. This is a non-Operator controlled event.
 - **Red (D)** – indicates that the queue has been suspended by Datapool.
- To toggle the queue state: Click on the **queue status indicator/button**, then click **OK** button to confirm the dialog prompt, “Are you sure you want to <state> the <queue type> queue?”.
 - Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – OM Queue Status

❖ Figure: OM Queue Status Page

OM Queue Status
Current Request Processing States

[Text-only version](#)

The OM Server is: **NO STATE**

ALL	OMS	EMAIL	STAGING	PROCESSING	ACCEPTANCE
ALL Queue	OMS	EMAIL	f2spg02	New Requests	HEG
	CDROM		f2acg01	HEG	!@#%*&'()
	DVD		Archive1		—
	DLT		ARCHIVE7		Subsetter1
			ARCHIVE8		
			XMLArchive		
			SNFS1		

[Click on a status button to toggle its current state.]

Legend

- [active]
- [suspend in progress]
- [suspended by operator]
- [suspended by server]
- [suspended by datapool]

AutoRefresh Control Panel [ON]

Refresh screen every 5 minutes

AutoRefresh: ☒ on ☐ off

[Normal version](#)

The OM Server is: **DOWN**

ALL	OMS	EMAIL	STAGING	PROCESSING	ACCEPTANCE
ALL Queue	OMS	EMAIL	f2spg02	New Requests	HEG
	CDROM		f2acg01	HEG	!@#%*&'()
	DVD		Archive1		—
	DLT		ARCHIVE7		Subsetter1
			ARCHIVE8		
			XMLArchive		
			SNFS1		

[Click on a status button to toggle its current state.]

Legend

- A [active]
- O [suspended by operator]
- S [suspended by server]
- D [suspended by datapool]

Are you sure you want to suspend the HEG queue?

OK Cancel

Status States - see Legend

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – HEG Order Status

- The HEG Order Status page allows the full-capability Operator to monitor the number of HEG requests and data volume currently in HEG processing. HEG Order Status page is arranged in as follows:

- Total HEG Requests Queued.
- Total HEG Granules Queued.
- Total Input Data (MB).

▪ Procedure: Viewing HEG Order Status

- Click **OM Status Pages** menu, then click submenu **HEG Order Status** to display its page.

❖ Figure: HEG Order Status Page (Read-Only)

HEG Order Status		
Total HEG Requests Queued	Total HEG Granules Queued	Total Input Data (MB)
0	0	0.000

- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – Staging Status

- **Full-capability Operator can monitor the number of granules and data volume currently in staging states.**
- **Staging Status pages displays status in ALL or three ways:**
 - 1 – Media Type (Frames A).
 - 2 – FTP Push Destination (Frames B).
 - 3 – SCP Destination (Frames C).
- **The granules staging information (Figure 15.9-3 Staging Status Pages and Table (Fields) is arranged in four categories:**
 - 1 – Granules **Waiting for Staging**.
 - 2 – Granules **In Staging**.
 - 3 – Granules that have been **Staged and NOT Shipped**.
 - 4 – Granules that have been **Staged, Shipped and In DPL**.
- **The DHWM (Data High Watermark) is the maximum volume of data in staging or already staged but not yet shipped. If the data volume and number of requests is above the DHWM, it is assumed the media devices have plenty of work to keep them busy.**

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – Staging Status

- The DLWM (Data Low Watermark) is the minimum volume of data that should be in staging or already staged, but not yet shipped. If the data volume is below the DLWM, the media devices may soon become idle.
- DLWM is mainly used for dispatching high-priority work. Therefore, the amount of work kept in staging or staged below the HWM, of each output queue, will achieve a good balance among ftp output connections (or in the case of physical media, their various output devices).

▪ Procedure: Viewing Staging Status

- Click **OM Status Pages** menu, then click **one of three** staging statuses: **Media Type**, **FTP Push Destination** or **SCP Destination**. To view another staging status page, select **staging type** from the list box on the current page.
- Observe the information displayed under **Granule Count and Volume** section:
 - **Staging Status** – page display information columns, except data is generated as media or destination.
 - **The System Totals** – the manually suspended queue by Operator (or if yellow, the suspended queue is in progress).
 - **AutoRefresh** – if **ON**, the **Staging Status by <staging type>** page refreshes automatically, as often as specified in the **Refresh screen every <number> minutes**.
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

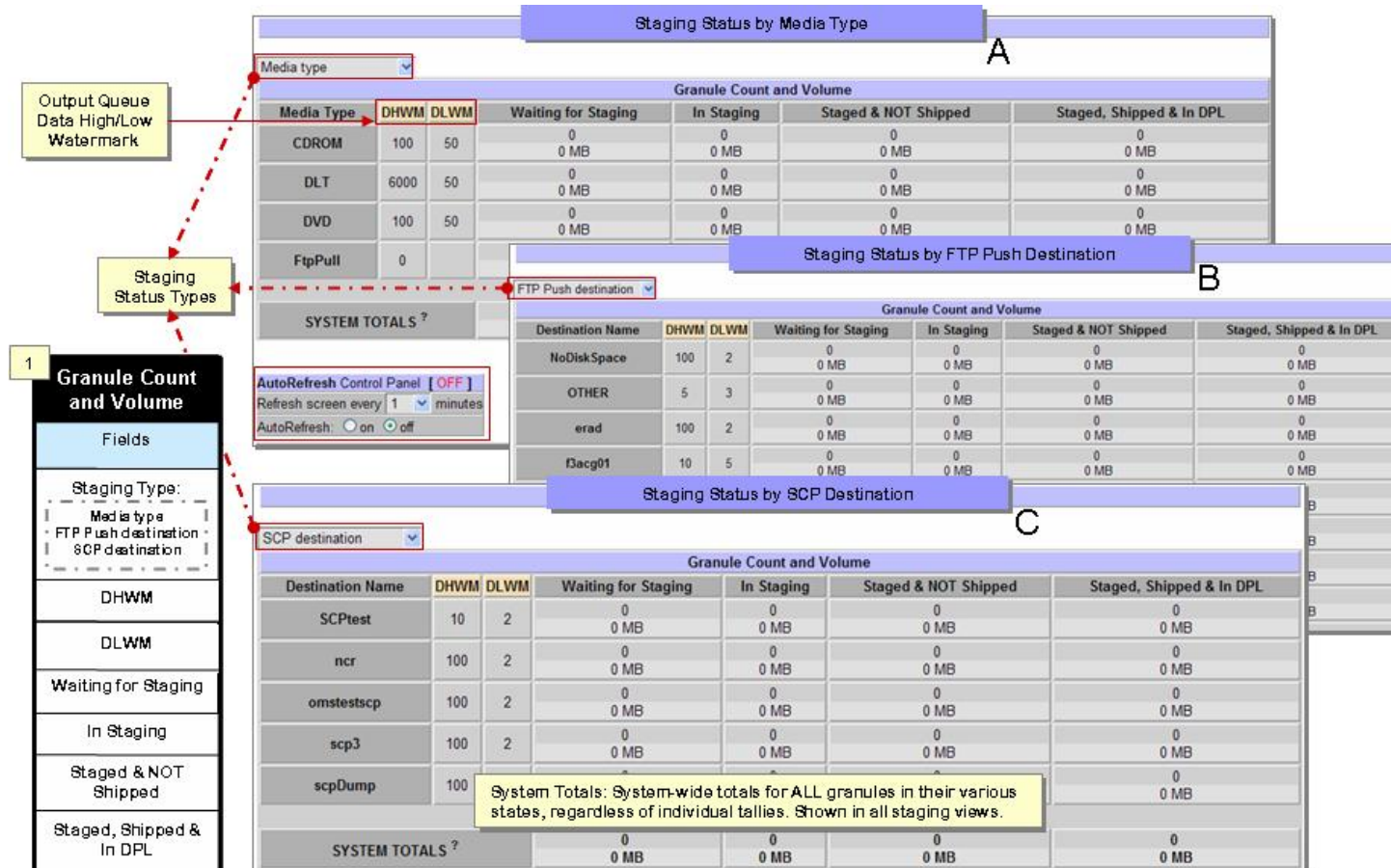
OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – Staging Status

❖ Figure: Staging Status Pages and its Table (Fields)



OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – Pending HEG Granules

- The Pending HEG Granules page allows the full or limited capability Operator to monitor pending HEG granules.
- **Procedure: Viewing Pending HEG Granules**
 - Click **OM Status Pages** menu, then click submenu **Pending HEG Granules** to display its page.
 - Click a specific **Request ID** under Listing, to **view detailed data** concerning that request.
 - To view processing instructions: Click the **View...** link in the column. Data displays in a separate **Processing Instructions** window. View the information in window, then click the **Close Window** button to exit window.
 - To cancel pending HEG granules: Under Options, select **Select All** (or **Sel**) check box of the specific pending HEG granules, then click **Bulk Cancel** button to fail granules.
 - Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – Pending HEG Granules

❖ Figure: Pending HEG Granules Page and Table (Options and Display)

A

The screenshot shows the 'Pending HEG Granules' page. It has a title bar 'Pending HEG Granules'. Below it is an 'Options' section with a 'Bulk Cancel' button and two checkboxes: 'Select All' and 'Select None'. Below the options is a 'Listing' section. The listing section has a 'Go direct' field, a 'Warning' label, and a 'Bulk Cancel option' callout. It also has a 'Show' dropdown set to '20' and 'rows at a time'. Below this is a table with columns: 'Sel', 'HEG PID', 'RequestId', 'ECS GranuleId', 'DPL ID', 'ESDT', 'Gran Size(MB)', 'Submitted to HEG', 'Processing Instructions', and 'Action'. The table shows 'Showing 0 - 0 of 0' rows. Below the table is an 'AutoRefresh Control Panel' with a toggle set to 'OFF', a 'Refresh screen every 5 minutes' dropdown, and 'AutoRefresh' radio buttons for 'on' and 'off'.

1

Options

Options

Bulk Cancel
☐ Select All
☐ Select None

2

Listing

Display

Go directly to row ___ of # rows

Show ___ rows at a time

Sel

HEG PID

Requested

ECS GranuleId

DPL ID

ESDT

Gran Size(MB)

Submitted to HEG

Processing Instructions

Action

OM GUI

OM Status Pages (cont.)



❑ OM Status Pages – DPL File System Status

- The Operator (full or limited capability) to view-only ongoing activities of the DPL File System Status in two categories:

- 1 – Data Pool File Systems.
- 2 – Archive File Systems.

▪ Procedure: Viewing Data Pool File System Status



- Click **OM Status Pages** menu, then click submenu **DPL File System Status** to display its page.

❖ Figure: DPL File System Status Page





Read-Only view

Data Pool File System Status

Data Pool File Systems

Name	Status	Free Space	Used Space (last checked)	Cache Used Alert Threshold	Queued Granules	Granules Processing
DEFAULT (datapool/DEV08/user/FS1/)	 active	110 GB	69% (Feb 14 2008 4:29PM)	92%	0 0.000 MB	0 0.000 MB
FS2 (datapool/DEV08/user/FS2/)	 active	205 GB	44% (Feb 14 2008 4:29PM)	92%	0 0.000 MB	0 0.000 MB

Archive File Systems

Name	Status	Free Space	Used Space (last checked)	Cache Used Alert Threshold	Cache Used Suspend Threshold	Queued Granules	Granules Processing
AMFS1 (storax2/amfs1/)	 active	62 GB	74% (Feb 14 2008 4:24PM)	95%	100%	MB	MB
BROWFS (storax2/browfs/)	 active	199 GB	20% (Feb 14 2008 4:24PM)	95%	100%	MB	MB
SNFS1 (storax2/snfs1/)	 active	60 GB	75% (Feb 14 2008 4:24PM)	80%	99%	MB	MB
XMLArchive (storax2/xmlfiles/)	 active	249 GB	2% (Feb 14 2008 4:24PM)	95%	100%	MB	MB

Includes a "Suspend" threshold

- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

Order Manager GUI

OM Configuration



□ OM GUI – OM CONFIGURATION

- The Operator (FC) is allow to configure aging rules for each priority level
 - Aging Parameter; to fine tune database and events to set database and server parameters, of which affects the entire system except partial media
 - Server/Database Configuration; and to set and adjust media types attributes
 - Media Configuration.
- The Operator (LC) can view the values assigned to OM Configuration Parameters, but is not allowed to change any parameter values.
- OM Configuration submenus:
 - Aging Parameters.
 - Server/Database:
 - [All] [queue], [cleanup], [email], [media], [staging], [partition], [misc.], [HEG].
 - Media
 - Media Creation.
 - ODL Metadata Users
 - External Processing
 - FtpPush/SCP Policy

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Aging Parameters

- Aging parameters affect how distribution requests are aged over time. The Operator (FC) has the option to configure aging parameters (rules) for each priority level using the Aging Parameters Configuration page.
- There are three types of aging parameters, however only two are configurable for each ECS Priority Level (i.e., XPRESS, VHIGH, HIGH, NORMAL or LOW):
 - 1 – **Age Step** is the aging rate (0-255, including decimal fractions) by which the requests effective priority increases at hourly intervals, but not to exceed the “Maximum Priority”. If the parameter is set to zero, waiting requests priority never increases. For example, if the Age Step = 5.5 with an initial priority = 100 waits/10 hours to be pushed, then the request’s priority increases by 5.5 hourly until delivery:
 - Hour 0:priority = 10
 - Hour 1:priority = 105.5
 - Hour 2:priority = 111
 - ⋮
 - Hour 10:priority = 155.
 - 2 – **Maximum Priority** is a request’s maximum priority attained in aging process.
 - 3 – **Starting Priority** is a non-configurable arbitrary value representing the priority.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Aging Parameters

▪ Procedure: Checking/Modifying Assigned Values of Aging Parameters

- Click **OM Configuration** menu, then submenu **Aging Parameters** to display the **Aging Parameters Configuration** page.

❖ Figure: Aging Parameters Page

- To modify (as authorized) aging parameter value(s): type **new value(s)** in relevant parameter(s) text entry box(es), then click **Apply** button (or **Reset** button to clear new value(s) and retain original value(s)).
- Return to the **Order Manager Home** page, on left-pane of OM GUI, click the **HOME** link.

Aging Parameter Configuration	
XPRESS	
Age Step ?	0
Maximum Priority ?	255
Starting Priority ?	255
VHIGH	
Age Step	0
Maximum Priority	235
Starting Priority	235
HIGH	
Age Step	0
Maximum Priority	220
Starting Priority	220
NORMAL	
Age Step	0
Maximum Priority	150
Starting Priority	150
LOW	
Age Step	0
Maximum Priority	60
Starting Priority	60

Each priority level has a non-configurable "Starting Priority" value:

- XPRESS = 255
- VHIGH = 235
- HIGH = 220
- NORMAL = 150
- LOW = 60

Apply Reset

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Server/Database (Parameters)

- The OMS Server and Database Configuration page provides the full-capability Operator (limited-capability Operator has limited options) with options to check and modify OMS server or database parameters values. These parameters affects the functionality of the OM server and database.
- Parameters are dynamically loaded from the OMS database into the OM GUI configuration pages. If a configuration parameter is deleted from the database, it is no longer displayed on the OM GUI - parameters displayed on the OM GUI are variable.
- OMS Server and Database Configuration Parameters page has four displays:
 - 1 – Parameter.
 - 2 – Description.
 - 3 – Units.
 - 4 – Value.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Server/Database (Parameters)

❖ Figure: OMS Server and Database Configuration Parameters Types and Names

Parameters		Parameters (cont)		Parameters (cont)	
Type	Name	Type	Name	Type	Name
queue	Num Of Allowed Email Submissions	staging	Global Staging Status	media	Due Date for Media Request
queue	Child Process Time Limit	staging	Min Moderate Request	email	Global Configured Operator Actions Email
cleanup	Delete Complete Interventions After	staging	Min Expensive Request	media	Qc Timeout
cleanup	Delete Complete Actions After	staging	Max Cheap Requests	media	Production Timeout
partition	Max Request Granules	staging	Max Moderate Requests	media	Media Prep Timeout
partition	Max Subset Granules	staging	Max Expensive Requests	media	Rimage Order Pull Time
partition	Delay Partition	misc.	Max Failure Archive	misc.	Max Order History Days
misc.	Max Action Retries	email	Global Configured Email	media	Luminex Timeout
misc.	Idle Sleep Time	cleanup	Max Orphan Req Age	media	Media Device Check Interval
misc.	Action Retry Wait	cleanup	Cleanup Orphan Req Period	staging	Staging Action Retries
queue	Num of Allowed Validations	email	Forward Dn Email	staging	Staging Action Retry Interval
misc.	Action Check Interval	cleanup	Unsuccess Req Ret Time	staging	Fsstate Interval
misc.	Cleanup Check Interval	HEG	Max Num of Concurrent HEG Process	staging	Stornext Timeout
misc.	Suspend Check Interval	HEG	Max Num of Concur HEG Proc Per Req		
queue	Max Concurrent Requests Processed	HEG	HEG Process Retry Interval		
email	Notify User for Partition Request	cleanup	Cleanup Delay Interval		

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Server/Database (Parameters)

▪ Procedure: Checking/Modifying Assigned Values of OMS Server and Database Parameters

- Click **OM Configuration** menu, then submenu **[All]** under the Server/Database header to display the OMS Server and Database Configuration: All parameters page. **NOTE:** This page displays all categories of parameters listed on the under the Server/Database submenu:
 - **[All], [queue parms], [cleanup parms], [email parms], [media parms], [staging parms], [partition parms], [misc. parms], and [HEG parms].**
- To modified (as authorized) server or database parameter value(s): Type the **new value(s)** in the text entry box(es) for the relevant parameter(s), noting that the new value cannot be 0. Then click the **Apply** button (or the **Reset** button to retain the original value).
- The OMS Server and Database Configuration page refreshes and displays new value(s).
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Server/Database (Parameters)

❖ Figure: OMS Server and Database Configuration [All] parameters Page

OMS Server and Database Configuration: All parameters			
Parameter	Description	Units	Value
Num Of Allowed Email Submissions	Max Number of concurrent submissions to PDS		111 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Child Process Time Limit	Amount of time to wait to kill child process before retrying action	seconds	30 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Delete Complete Interventions After	Time in hours Completed Interventions are maintained	hours	10 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Delete Complete Actions After	Time in hours Completed Actions are maintained	hours	10 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Max Request Granules	Maximum number of granules a request may contain		3000 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Max Subset Granules	Maximum number of granules a request may contain if it specifies subsetting		3 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Delay Partition	Time delay in hours each successive partition is supposed to be dispatched	hours	24.0 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Max Action Retries	Maximum number of times an action can be retried before the request is FAILED		20 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Idle Sleep Time	Length of time between OM Server checks for config parameters	seconds	10 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Action Retry Wait	Time in seconds the OmServer waits before attempting to re-dispatch an action	seconds	10 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Num Of Allowed Validations	Number of threads the OMServer uses for performing request validations action	threads	100 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Action Check Interval	Time in seconds the OmServer waits before checking on actions	seconds	30 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Cleanup Check Interval	Time in seconds the OmServer waits before performing cleanup activities	seconds	300 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Suspend Check Interval	Time in seconds the OmServer waits before performing checking suspended queues	seconds	30 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Max Concurrent Requests Processed	Number of concurrent requests the Om Server will process at one time	integer	100 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Notify User For Partition Requests	Whether or not user want to receive notification when partition happens yes or no	none	Y (Yes) <input type="button" value="↓"/> <input type="button" value="✓"/>
Global Staging Status	Synergy IV Staging Mode Status	none	A (Active) <input type="button" value="↓"/> <input type="button" value="✓"/>
Min Moderate Request	min number of tape mounts classified Moderate	number	500 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Min Expensive Request	min number of tape mounts classified Expensive	number	100 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Max Cheap Requests	Max number of Concurrent requests classified as Cheap that can be promoted to staging	number	500 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>
Max Moderate Requests	Max number of Concurrent requests classified as Moderate that can be promoted to staging	number	500 <input type="text"/> <input type="button" value="←"/> <input type="button" value="✓"/>

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Media

- The Media Configuration page provides the full-capability Operator checking and modifying media parameter values functions.
- Media parameters, specific to distribution medium type, affects the limit checking against standard media capacity and the partitioning of requests.

- The Media Configuration page has two display parts:

- 1 – Parameter Name – label or title of parameter for each media type:

- FtpPull.
 - FtpPush.
 - CDROM.
 - DLT.
 - DVD.
 - scp.

Distribution
media types

- 2 – Value – parameter size or limit.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Media

▪ Procedure: Checking/Modifying Assigned Values of Media Parameters

‣ Click **OM Configuration** menu, then submenu **Media** to display the **Media Configuration** page.

❖ **Figure: Media Configuration Page**

Media Configuration

Parameter Name	Value
FtpPull <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	40.0000
PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	60.0000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	90.0000
MinBundleSize (GB)	54.0000
Request High Water Mark	100
Data High Water Mark (MB)	2000
Pull Gran Dpl Time (days) [..]	1
Pull Gran Dpl Ret Pri (number) [..]	6
Min Pri To Preempt (number) [..]	5
FtpPush <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	150.0000
PartitionGranuleLimit	3
PartitionSizeLimit (GB)	400.0000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	450.0000
MinBundleSize (GB)	40.0000

CDROM <input checked="" type="checkbox"/> [rule]		DVD <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	0.3000	MediaCapacity (GB)	2.0070
PartitionGranuleLimit	1000	PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	55.0000	PartitionSizeLimit (GB)	12.7000
MinRequestSize (GB)	0.0000	MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	60.0000	MaxRequestSize (GB)	14.1000
MinBundleSize (GB)	0.1000	MinBundleSize (GB)	12.0000
Request High Water Mark	1000000	Request High Water Mark	200
Data High Water Mark (MB)	1000000000	Data High Water Mark (MB)	300
Request Low Water Mark	10	Request Low Water Mark	10
Data Low Water Mark (MB)	10	Data Low Water Mark (MB)	10

DLT <input checked="" type="checkbox"/> [rule]		scp <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	4.0070	MediaCapacity (GB)	50.0000
PartitionGranuleLimit	3000	PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	94.0000	PartitionSizeLimit (GB)	60.0000
MinRequestSize (GB)	0.0000	MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	105.0000	MaxRequestSize (GB)	65.0000
MinBundleSize (GB)	94.0000	MinBundleSize (GB)	40.0000
Request High Water Mark	50		
Data High Water Mark (MB)	3000		
Request Low Water Mark	0		
Data Low Water Mark (MB)	1		

Apply Reset

Submit Media Configuration Changes Rest Media Configuration Changes

[JavaScript Application]

Rule for configuring media types:

MaxRequestSize < PartitionSizeLimit > MediaCapacity

MaxRequestSize must be less than PartitionSizeLimit, which must be greater than MediaCapacity.

OK

Apply Changes to all parameters. ☒

Reset this parameter back to its original value.

Rule for configuring media types. [rule]

OM GUI

OM Configuration (cont.)



□ OM Configuration – Media

▪ Procedure: Checking/Modifying Assigned Values of Media Parameters (cont.)

‣ **Observe** information on the **Media Configuration** page, specifically the **parameter types**:

- **MediaCapacity (GB)** – initially set to the maximum capacity (in GB) for the type of media, but should be adjusted later to a lower or higher value, depending on data compression usage.
- **PartitionGranuleLimit** – the maximum number of granules that may be partitioned for the type of medium.
- **PartitionSizeLimit (GB)** – the size (in GB) at which point partitioning of a request can occur.
- **MinRequestSize (GB)** – the minimum number of gigabytes that can be requested for the type of medium.
- **MaxRequestSize (GB)** – the maximum total number (GB) that can be requested for that type of medium, regardless of whether or not it can be partitioned.
- **MinBundleSize (GB)** – the minimum number of gigabytes in a bundle for the type of media.
- **Request High Water Mark** – the RHW is the desired maximum number of requests that may be in the Staging state, or that have completed Staging but are not yet in a terminal state (e.g., Shipped).
- **Data High Water Mark (MB)** – the DHWM is the maximum volume of data in staging or already staged but not yet shipped. If the data volume and number of requests is above the DHWM, it is assumed the media devices have plenty of work to keep them busy.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Media

▪ Procedure: Checking/Modifying Assigned Values of Media Parameters (cont.)

- **Data High Water Mark (MB)** – the DHWM is the maximum volume of data in staging or already staged but not yet shipped. If the data volume and number of requests is above the DHWM, it is assumed the media devices have plenty of work to keep them busy.
 - **Request Low Water Mark** – the RLWM is the desired minimum number of requests that may be in the Staging state or that completed staging, but are not in a terminal state (e.g., Shipped).
 - **Data Low Water Mark (MB)** – the DLWM is the minimum volume (in MB) of data that should be in staging or already staged but not yet shipped. If the data volume is below the DLWM, the media devices may soon become idle.
 - **Pull Gran Dpl Time (days) [...]** – the number of days a granule for an FtpPull request would normally remain in the Data Pool.
 - **Pull Gran Dpl Ret Pri (number) [...]** – the normal retention priority for a granule for an FtpPull request.
 - **Min Pri To Preempt (number) [...]** – applies to granules put in the Data Pool for an FtpPull request.
- To change the media parameter value(s): Type **new value(s)** in the text entry box(es) for the relevant parameter(s), then click the **Apply** button to submit (or the **Reset** button to retain the original values).
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Media Creation

- The Media Creation Configuration page provides the full-capability Operator with a means of checking and modifying media creation parameter values.
- Media creation parameters are specific to each kind of distribution medium and affect whether or not media orders are dispatched automatically.
- The Media Creation Configuration Page has two columns of information for each type of distribution media:
 - 1 – Parameter:
 - DispatchMode (Manual or Automatic Mode).
 - Max number of QC devices per Request (Automatic Mode).
 - Max number of Production devices per Request (Automatic Mode).
 - Default QC Volume Selection (All or None).
 - 2 – Current value.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – Media Creation

▪ Procedure: Checking/Modifying Assigned Values of Media Creation Parameters

- Click **OM Configuration** menu, then submenu **Media Creation** to display the **Media Creation Configuration** page.

❖ Figure: Media Creation Configuration Page.

The screenshot shows the 'Media Creation Configuration' page. It is divided into three main sections: CDROM, DLT, and DVD. Each section contains three configuration parameters. For CDROM and DLT, the 'DispatchMode' is set to 'Manual', the 'Max number of QC devices per Request (Automatic Mode)' is set to '2', and the 'Default QC Volume Selection' is set to 'None'. For the DVD section, the 'DispatchMode' dropdown menu is open, showing options: 'Manual', 'Automatic', and 'Manual'. The 'Max number of QC devices per Request (Automatic Mode)' is set to '2', and the 'Default QC Volume Selection' is set to 'All'. At the bottom of the page, there are 'Apply' and 'Reset' buttons.

- To modify the media creation parameter value(s): Highlight and delete **current value**, then enter **new value** in textbox. Click **Apply** to change configuration (or **Reset** to keep original value(s).
- Return to the **Order Manager Home** page: on left-pane of OM GUI click the **HOME** link.

OM GUI

OM Configuration (cont.)



☐ OM Configuration – ODL Metadata Users

- The ODL Metadata Files Users Configuration page allows the full-capability Operator to configure a list of Email addresses that signifies users that need to receive metadata in ODL.met file format.
- Limited-capability Operator can only view Metadata File Users configurations.
- The metadata will be distributed whenever the email address contains a Distribution Notice.

OM GUI

OM Configuration (cont.)

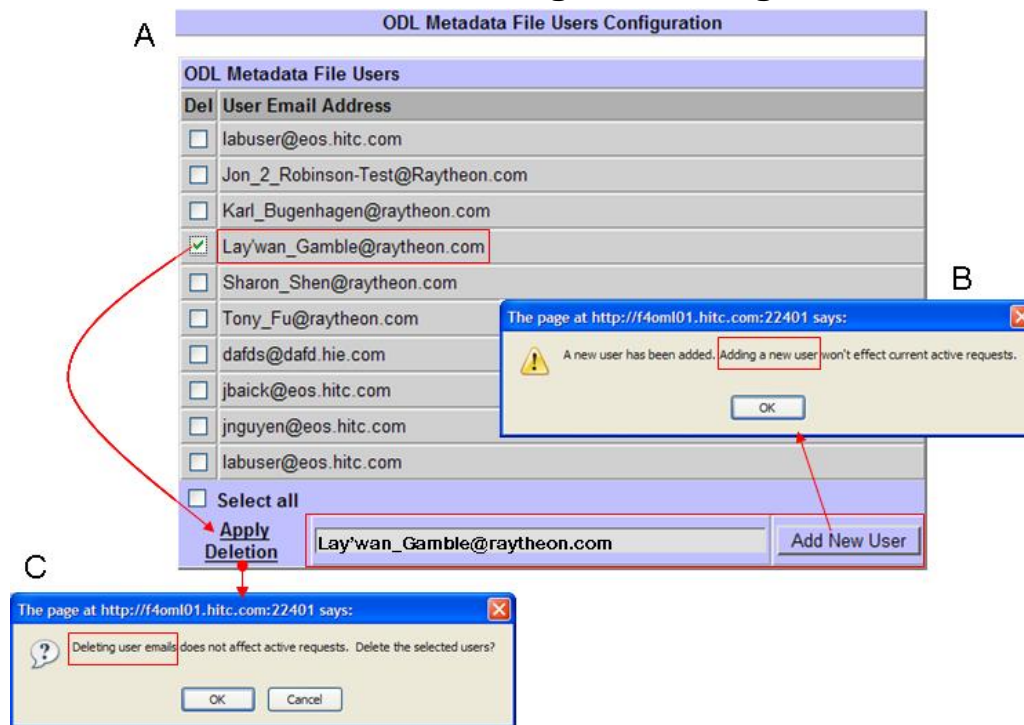


❑ OM Configuration – ODL Metadata Users

▪ Procedure: Adding/Deleting User Email Address to/from the ODL Metadata File

- Click **OM Configuration** menu, then submenu **ODL metadata Users** to display the **ODL Metadata File Users Configuration** page.

❖ Figure: ODL Metadata File Users Configuration Page.



OM GUI

OM Configuration (cont.)



❑ OM Configuration – ODL Metadata Users

▪ Procedure: Adding/Deleting User Email Address to/from the ODL Metadata File (cont.)

- To Add User Email Address(es) to the ODL Metadata File Users Configuration: enter the **new User's email address** in the textbox (at page bottom), then click the **Add New User** button. The prompt indicating "A new user has been added...." appears, click the **OK** button.
- To Delete User Email Address(es) from the ODL Metadata File Users Configuration: Click one or more **Del** checkboxes (or Select all) next to the User(s) to be deleted, then click the **Apply Deletion** link. The prompt indicating, "...Delete the selected users?" appears, click the **OK** button (or **Cancel** to discard changes)
- Return to the **Order Manager Home** page: on left-pane of OM GUI click the **HOME** link.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – External Processing

- **The External Processing Configuration page allows the full-capability Operator to define and configure the parameters of an external processing service as follows:**
 - View the external processing services parameters.
 - Delete external processing service with no pending requests.
 - Add new external processing service.
 - Edit existing processing service configuration.
- **The full-capability Operator is limited view-only External Processing Configurations.**
- **External Processing Services parameters descriptive listing:**
 - External Processor Service Name is a unique name for the service.
 - End Point URL is the host URL address configured in the ECS registry.
 - DN Email Address is the DN email address us by the external processing service.
 - Total Requests Queued – is the total number of queued requests.
 - Total Granules Queued – is the total number of queued granules.
 - Request Acceptance – the acceptance of the request.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – External Processing

▪ Procedure: Checking/Modifying External Processing Services Configurations

- Click **OM Configuration** menu, then submenu **External Processing** to display the **External Processing Services Policy Configuration** page.

❖ **Figure: External Processing Services Policy Configuration Page.**

B

Add External Processing Configuration

Parameter	Description	Units	Value
Processor Name	An identification for the processing service		
End Point URL	URL for external processor		
FTP Pull Expiration	Ftp Pull Expiration Time	Hours	
DN Email Address	Email address used to send distribution notice		
Additional Preamble Text	Text to include as part of DN preamble		

Buttons: Save Done Reset

A

External Processing Services Policy Configuration

External Processing Services

Add a New External Processing Service Tip: If the checkbox next to the External Processing Service Name is disabled, the processor is busy and can not be deleted.

External Processing Service Name	End Point URL	DN Email Address	Total Requests Queued	Total Granules Queued	Request Acceptance
<input type="checkbox"/> EP1	123.456.789.1234	doug_newman@raytheon.com	0	0	ACTIVE
<input type="checkbox"/> EP2	987.654.321.1234	Yol	0	0	ACTIVE
<input type="checkbox"/> EPTest	4e101.hitc.com:18316	prasanna_l_dhudha@raytheon.com	0	0	ACTIVE
<input type="checkbox"/> EPTest2	http://4e101.hitc.com:18316/sam-cgi-bin/poochie	prasanna_l_dhudha@raytheon.com	50	56	ACTIVE
<input type="checkbox"/> OTHER	0.0.0.0		85	85	ACTIVE
<input type="checkbox"/> TST 1	1.1.1.1:11	test@raytheon.com	0	0	ACTIVE

Buttons: Delete Selected Processors

C

The page at http://4e101.hitc.com:22401 says:

Are you sure you want to delete the selected external processors?

Buttons: OK Cancel

OM GUI

OM Configuration (cont.)



❑ OM Configuration – External Processing

▪ Procedure: Checking/Modifying External Processing Services Configurations (cont.)

- To Add a New External Processing Service: Select the **Add a New External Processing Service** button (or if editing, the **edit** button to the associated processing service), click **Save** to submit the input, then click **Done** to return to the previous page.
- To Delete an External Processing Service: Select the **checkbox(es)** of the External Processing Service, click the **Delete Selected Processors** button (at bottom of page), then click the **OK** button to confirm deletion (or **Cancel** to discard the action).
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI

OM Configuration (cont.)



❑ OM Configuration – FtpPush/SCP Policy

- Provides the full-capability Operator the ability to define, configure and fine-tune parameter values of FtpPush/SCP destinations.
- Configuration parameters on the FtpPush/SCP Policy Configuration Page has three working parts:

- 1 – **Global Settings for All Destinations** are parameters that apply to all destinations (both frequently used and non-configured), regardless of their individual settings.
 - 2 – **Non-Configured Destinations** are FtpPush destinations not specifically defined as Frequently Used Destinations, but uses the parameter values in the Settings for Non-Configured Destinations area.
 - 3 – **Frequently Used Destinations** are FtpPush destinations that are non-configured.
- ❖ **Figure: FtpPush/SCP Policy Destination Table (Fields)**

1	2	3
Global Settings for All Destinations?	Settings for Non-Configured Destinations [Only apply to FtpPush destination]	Frequently Used Destinations
Fields	Fields	Fields
FtpPush Max Operations	RHWM	Destination Name (Alias)
Max. FTP Failures	DHWM	Del
SCP Max Operations	DLWM	Media Type: <input type="checkbox"/> FtpPush <input type="checkbox"/> SCP
Max. SCP Failures	Retry Mode: <input type="checkbox"/> Automatic <input type="checkbox"/> Manual	Host Address
Options	Time Out	Destination Directory
Apply	Min. Throughput	Retry Mode
Reset	Max. Operations	Options
	Retry Interval	Add a Destination
	Options	Delete Selected Destinations
	Apply	Select all (Del)
	Reset	

OM GUI

OM Configuration (cont.)



❑ OM Configuration – FtpPush/SCP Policy

■ Procedure: Viewing/Modifying FtpPush/SCP Policy Configuration

- Click **OM Configuration** menu, then submenu **FtpPush/SCP Policy** to display the **FtpPush/SCP Policy Configuration** page.
- ❖ **Figure: FtpPush/SCP Policy Configuration Page (A), Add Destination (B), Delete Destination (C) and Destination Details (D)**

A FtpPush / SCP Policy Configuration

Global Settings for All Destinations ?

FtpPush Max Operations:	1	?	RHWM:	50	?	Time Out:	1800	?
Max. FTP Failures:	5	?	DHWM:	50	?	Min. Throughput:	1	?
SCP Max Operations:	10	?	DLWM:	2	?	Max. Operations:	5	?
Max. SCP Failures:	5	?	Retry Mode:	Automatic	?	Retry Interval:	1	?

Settings for Non-Configured Destinations [Only apply to FtpPush destination]

Apply Reset

Frequently Used Destinations

Add a Destination ? Click on a destination to view/edit

Destination Name (Alias)	Del	Media Type	Host Address	Destination Directory	Retry Mode
1 ????		<input checked="" type="checkbox"/> FtpPush	origin hitc.com	/devdata1/DEV01/Push/Area	Automatic
2 NDPAD		<input checked="" type="checkbox"/> FtpPush	file01.hitc.com	/datapool/OPS/user/FS2/dpad/integration	Automatic
3 OM SCP Distribution Area1				/L0_buffer/OPS/tmp/test/Area1	Automatic
4 OM SCP Distribution Area2				/L0_buffer/OPS/tmp/test/Area2	Automatic
5 origin				/devdata1/testftp/PushDir	Automatic
6 scp origin				/devdata1/OPS/scp/Area	Automatic
7 scp3				/tmp/scp3	Automatic

Details link (frame D)

The page at http://file01.hitc.com:22401 says: Are you sure you want to delete the selected destinations?

OK Cancel

Delete Selected Destinations Select all

B Add New Destination

Destination Details

Name (Alias):

Target Directory:

Host/IP Address:

Media Type: FtpPush SCP

Settings for this Destination (Default values loaded)

Max. Operations:	5	?	Time Out:	1800	?
RHWM:	50	?	Min. Throughput:	1	?
DHWM:	50	?	Retry Interval:	1	?
DLWM:	2	?	Retry Mode:	Automatic	?

Notes: 0 of 255 Max. characters

Save Reset Done

D FTPPush / SCP Destination Details

Destination Details

Name (Alias): NDPAD

Target Directory: /datapool/OPS/user/FS2/dpad/integration

Host/IP Address: file01.hitc.com

Media Type: FtpPush

Settings for this Destination

Max. Operations:	5	?	Time Out:	1800	?
RHWM:	50	?	Min. Throughput:	1	?
DHWM:	50	?	Retry Interval:	1	?
DLWM:	2	?	Retry Mode:	Automatic	?

Notes: 1 of 255 Max. characters

Save Reset Done

The "Add New Destination" and the "FTPPush/SCP Destination Details" pages display identical fields, although their functions serve two different purposes (frames B and D).

OM GUI

OM Configuration (cont.)



❑ OM Configuration – FtpPush/SCP Policy

▪ Procedure: Viewing/Modifying FtpPush/SCP Policy Configuration (cont.)

- To view details of a destination, click the underscored **Destination Name (Alias)** and the **FTPPush/SCP Destination Details** page (Figure D) displays. View **detailed information** on page and click the **Done** button to close without saving any possible changes.
- To **Delete (remove) destination(s) from the Frequently Used Destinations sections**: Click the **Del** checkbox of corresponding destination(s), then click the **Delete Selected Destinations** link (at bottom of section). At the **confirmation prompt** dialog box (Figure C), click **OK** to confirm deletion(s) and move the destination(s) to the non-configured group (and erase its parameter values).
- To **Add a new destination to the Frequently Used Destinations sections**: Click the **Add New Destination** button to display the **Add New Destination** window (Figure B), enter **values/data** to fields/parameters, then click the **Save** button to submit and to refresh the FTP Push/SCP Policy Configuration page (Figure A).
- Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

Order Manager GUI Help



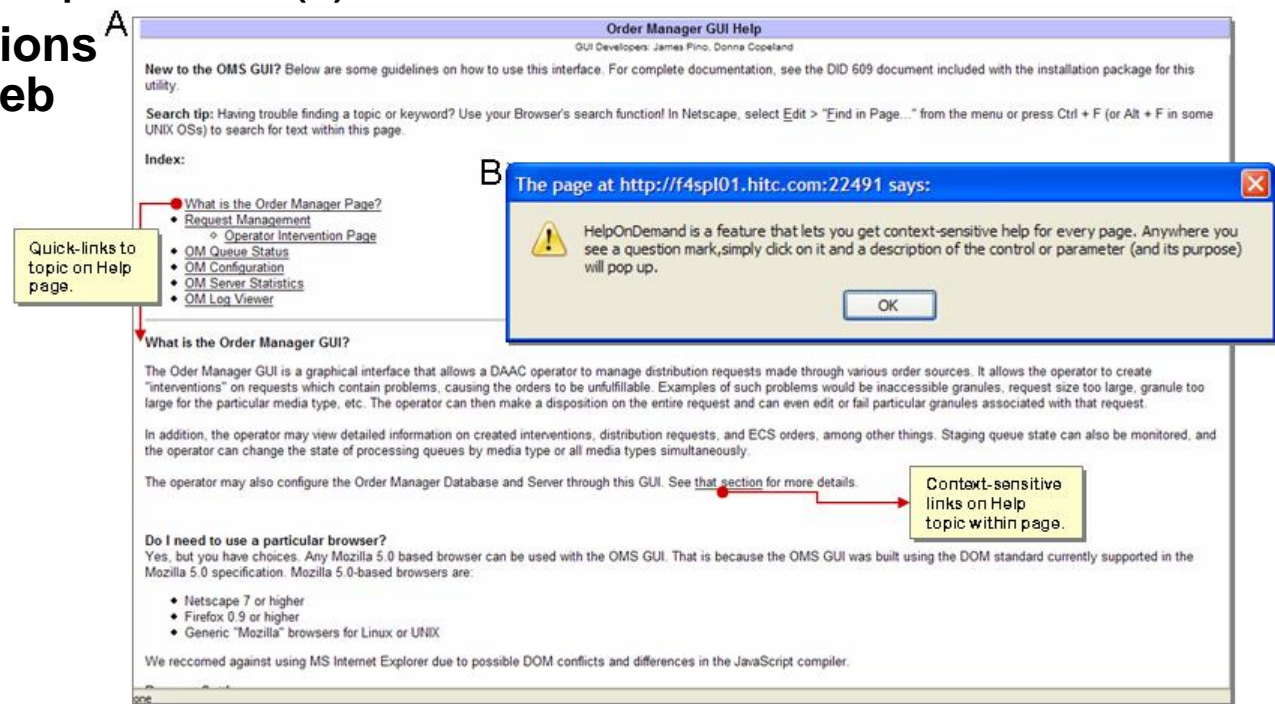
❑ OM GUI – HELP

■ There are two Help submenu options:

- **About HelpOnDemand...** which features context-sensitive help for each page, especially for non-descriptive controls or parameters.
- **Help** which features text on various OM GUI related topics.

❖ Figure: Help (A) and HelpOnDemand (B)

■ Active search functions using the current web browser is also available on pages within the GUI.



Order Manager GUI

Physical Media Distribution



□ OM GUI – PHYSICAL MEDIA DISTRIBUTION (PMD)

- **Allows the Operator to perform media distribution of OM GUI requests.**
 - Error handling is performed the same way as interventions for distribution requests are handled.
- **Physical Media Distribution submenus:**
 - Media Creation Console.
 - Device Configuration.
 - Open Interventions.
 - Printer Configuration.
 - PM Configuration.
 - Reports.
 - ESDT Configuration.

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

- One interactive console handles various types of media creation actions.
- Media Creation Console has three working parts:

1 – Request Actions:

- OrderID
- Request ID
- Media Type
- Volume Count
- Request Status
- Due Date
- Note
- Action Type
- Options

2 – Device Actions

- Media Type Device
- Production
- QC
- Status

3 – Filter

- Action Type

Media Creation Console

A1 Request Actions

OrderID RequestID	Media Type	Vol Cnt	Request Status	Due Date	Note	Action Type	Options
0300084114 0300082373	DLT	1	Pending Media Prod	Jan 25 2008 10:47PM		Activate Request	Activate Request Fail Request Annotate Action
0300084109 0300082368	DLT	1	Pending Media Prod	Jan 25 2008 11:29PM		Activate Request	Activate Request
0300084116 0300082375	DLT	1	Pending Media Prod	Jan 28 2008 6:32PM		Activate Request	Activate Request
0300084108 0300082367	DLT	1	Pending Media Prod	Jan 28 2008 7:14PM		Activate Request	Activate Request
0300084119 0300082378	CDROM	1	Pending Media Prod	Feb 6 2008 9:31PM		Activate Request	Activate Request

Go directly to row: of 5 rows Show 50 rows at a time.

A3 Filter

Action Type:

You must select at least one Action Type. Select:

A2 Device Actions

Show maximum of volume(s) per request

Media Type Device	Production	QC	Status
CDROM			
fgh		Assign No volumes available	on-line
CDROM, DVD			
DiscQC		Assign No volumes available	on-line
DiscQC2		Assign No volumes available	on-line
DiscQC2Sim		Assign No volumes available	on-line
UnixDiscQC		Assign No volumes available	on-line
MADEUP			off-line
gh hj		Assign No volumes available	on-line
k l ui		Assign No volumes available	on-line
CDROM		Assign No volumes available	on-line
fg		Assign No volumes available	on-line
DLT			
720DLT2	<input type="checkbox"/> Assign 0300082374 VOL001	<input type="checkbox"/> Assign 0300082143 VOL001	on-line
DEV09_DLT_SIM1	<input type="checkbox"/> Assign 0300082374 VOL001	<input type="checkbox"/> Assign 0300082143 VOL001	on-line
DEV90_DLT_SIM3	BUSY Mode DEV05	BUSY Mode DEV05	on-line
DLT SIM1	<input type="checkbox"/> Assign 0300082374 VOL001	<input type="checkbox"/> Assign 0300082143 VOL001	on-line
DLT SIM2	<input type="checkbox"/> Assign 0300082374 VOL001	<input type="checkbox"/> Assign 0300082143 VOL001	on-line

B

Click to change the specified volume of the selected device to Assign or to Mount.

☒ Assigned 0300082374 VOL001

☐ Mount 0300082374 VOL001

Legend

Dismount Confirm dismount of the specified volume from this device
Click Dismount to fail dismount

Assign Assign a volume to this device
Mount Confirm mount of the specified volume on this device
Click Mount to fail mount

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

- Manually dispatched PD media must be activated using the console.
- OMS production software (EcOmPdModule) runs twice during media production:
 - 1 – for Media Preparation.
 - 2 – for Media Creation.
- Additional activities occur for disk and tape preparation and creation as displayed in table:

1	Preparation Activities	2	Creation Activities	3	QC/Verification Activities
	Disk (CD/DVD)		Disk (CD/DVD)		Disk (CD/DVD) and Tape (DLT)
	HDF and metadata file are read		Merge (label data) file is created		The medium is inserted in a different drive than that used to create the disk or tape (QC of disks is typically done on a QC PC)
	Data is staged		Luminex interface file is created		The operator starts QC from the OM GUI
	Summary file is created		Luminex writes data to media		QC compares the summary file and the "tar-tvf" (tape) or "ls" (disk) of the medium
	Summary file is copied		Jewel case insert is printed		
	Jewel case insert is created		ISO image and interface file are cleaned up		
	ISO image file is created		Staging directory is cleaned up		
	Tape (DLT)		Tape (DLT)		
	HDF and metadata file are read		Data written to tape		
	Data is staged		Tape label is printed		
	Summary file is created		Staging directory cleaned up		
	Summary file is copied				
	Tape label is created				

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

▪ Media creation has four basic actions (process order):

- 1 – Activate Request
- 2 – Collection Media for QC
- 3 – Activate Media for QC
- 4 – Assemble Package

❖ **Figure: Media Creation Console basic process display by column: Request Status (1), Action Type (2), Options (3)**

Media Creation Console		
1 Request Status	2 Action Type	3 Options
Read-Only	Read-Only	Listbox
Pending Media Production	1. Activate Request	Activate Request
Perform Device Actions (right-pane Media Creation Console): Assign Volume <input checked="" type="checkbox"/> Assigned		
Transferring	2. Collection Media for QC	Media Collection Complete
QC Hold	3. Activate Media for QC	Activate QC
Perform Device Actions (right-pane Media Creation Console): Assign Volume <input checked="" type="checkbox"/> Assigned		
Waiting for Shipment	4. Assemble Package	Mark Request Shipped
Marked Request moved to Distribution Request page.		

❖ **NOTE: Additional actions (options) are available, but will not be covered in these procedures.**

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

▪ Procedure: Using the PMD Media Creation Console

- Click **Physical Media Distribution**, then submenu **Media Creation Actions** to display the **Media Creation Console** page. Use the console to process a request using four basic actions:
- **1st Activate Request:** Using the **Filter** (A3) to filter all options labeled **Activate Request**. (If none listed, change **Option** on a DLT media type). Under **Options**, select **Activate Request** from list. The **Request for RequestID <number> (media_type)** prompts, click **Activate Request** to move request to **right-pane Device Actions** for action. Locate request associated with a **Media Type Device**, then click **Assign** checkbox to **assign volume (B)** to the device.

A

Activate Request (DLT)

Request for RequestID 0300082367 (DLT)

Sample data

Volume Name	Volume Status	Production Module
VOL001	NONE	MODISOUT
VOL002	NONE	MODISOUT
VOL003	NONE	MODISOUT

Number of char. typed in note textbox → 38 of 255 max characters

Operator Notes for Action
for change in action...

Click to change the specified volume of the selected device to Assign or to Mount.

B

Activate Request Cancel

Done

☒ Assigned 0300082374 VOL001

☐ Mount 0300082374 VOL001

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

▪ Procedure: Using the PMD Media Creation Console (cont.)

- Once action completes processing (request moved back to console left-pane Request Actions) its labeled under **Action Type** as **Collection Media for QC**.
- **2nd Collection Media for QC:** Under **Options**, select **Media Collection Complete** from list. The **Media Collection for RequestID <number>** dialog box prompts, click **Media Collection Complete** to initiate **Transferring**.

Volume Name	Volume Status	Production Module	Production Device	Select For QC
VOL001	CREATED	GENERICOUT2	LuminexSim	<input type="checkbox"/>

Operator Notes for Action
0 of 255 max characters

Media Collection Complete Cancel

Done

OM GUI

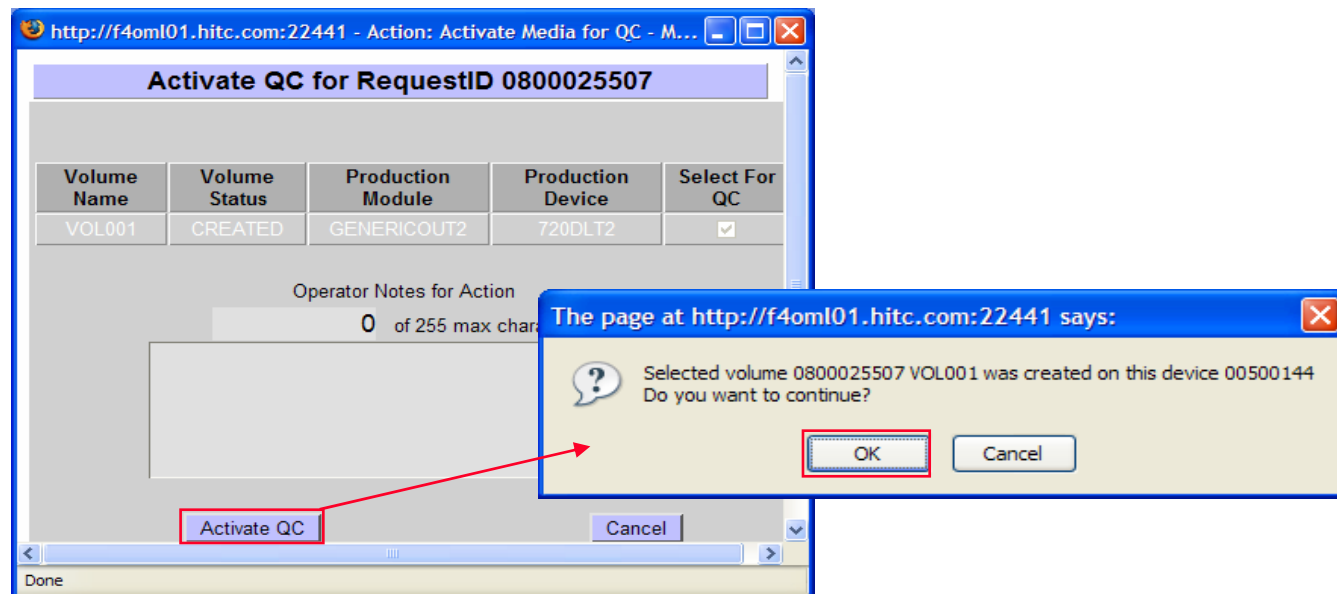
Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

▪ Procedure: Using the PMD Media Creation Console (cont.)

- Once processing completes, request (moved back to the left-pane Request Actions) is now labeled under **Action Type** as **Activate Media for QC**.
- **3rd Activate Media for QC:** Under **Options**, select **Activate QC** from list. The **Activate QC RequestID <number>** dialog box prompts, click **Activate QC** to move request (and create volume) to right-pane Device Actions for action. Click **OK** to confirm action at prompt. Then locate request associated with specified **Media Type Device**, then click **Assign** checkbox to **assign volume** to the device and to initiate **QC Hold**.



OM GUI

Physical Media Distribution (cont.)



❑ PMD – Media Creation Console

▪ Procedure: Using the PMD Media Creation Console (cont.)

- Once processing completes, request (moved back to the left-pane Request Actions) is now labeled under **Action Type** as **Assemble Package**.
- **4th Assemble Package:** Under **Options**, select **Mark Request Shipped** from list. The **Mark Request for Shipped for RequestID <number>** dialog box (A) prompts, click **Mark Request Shipped** to initiate **Waiting for Shipment**. Request status can be monitored/reviewed using the **Distribution Requests** page (B), tracked by the **RequestID <number>**.

A

http://14om01.htc.com:22441 - Action: Assemble Package - Mozilla Firefox

Mark Request Shipped for RequestID 0800017533

☐ Confirm Package Assembled (required)

Volume Name	Volume Status	Production Module	Production Device	QC Device
100101	QC Shipped by QP	SCM100012	Cambridge	

Printed Outputs

Output Name	Printer
Packing List (DF)	bw-11512
QC Reports	bw-1151
Shipping Labels	Gsp006
Jewel Case Inserts	Qsk750

☐ Don't send DRI

Operator Notes for Action
0 of 255 max characters

Mark Request Shipped **Cancel**

Track status of request by RequestID

B

Distribution Requests

Current Filters
 Order ID: None Request ID: 0800017533 E-Mail: None First Name: None Last Name: None
 Creation Time: Start: Dec 5 2007 05:44PM End: Apr 29 2008 01:53PM Order Type: ALL User ID: None
 Parent ID: EP ID: Status: ALL
 Media Type:

Options
 Change Filter Bulk Cancel Bulk Resubmit
☐ Select All ☐ Select None

Listing
 Go directly to row of 1 row Show 20 rows at a time
 first | previous | Showing 1 - 1 of 1 | next | last

Sel	Ord Typ	OrderID RequestID	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
<input type="checkbox"/>	Regular	0800011538 0800017533	30	1	CDROM		Shipped	MOD13A2.004	ECSGuest	0	Jun 25 2007 3:05PM	Apr 29 2008 1:49PM	Resubmit

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Device Configuration

- Displays the configuration of devices used in the Physical Media Creation Console.
- Provides the Operator with a quick visual indicator of the load for each Luminex device.
- Provides job limit parameter data that indicates the current load and maximum number of jobs percentage based on device's configuration.
- **Physical Media Device: Device Configuration page displays information in five sections:**
 - 1 – Production devices.
 - 2 – QC devices.
 - 3 – Production/QC devices.
 - 4 – Unclassified devices.
 - 5 – LUMINEX Device Loads:
 - Allocated Work Load
 - Actual Work Load

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Device Configuration

■ Procedure: Filtering/Modifying PMD Device Configurations

- Click **Physical Media Distribution**, then submenu **Device configuration** to display the **Physical Media Distribution: Device Configuration** page.

❖ Figure: PMD: Device Configuration Page

Physical Media Distribution: Device Configuration							
Add New Device Filter: ~ media type ~ ~ online status ~ ~ device status ~ Apply Clear							
Device Label	Current Request [Volume]	Media Type	Reserved For Mode	Used By Mode	Device Status	Online Status	Offline Reason
Production devices							
① sdf - sdf		CDROM				on-line	
① FAKECDROM-DELETE		CDROM				on-line	
① JAMES_TEST - PLEASE REMOVE ME!!		CDROM (LUMINEX)	DEV02			on-line	
① cdro m1		CDROM (LUMINEX)				on-line	
① sdfg		CDROM				on-line	
① Luminex7100		CDROM, DVD (LUMINEX)				on-line	
QC devices							
① fgh		CDROM			FREE	on-line	
① fg		CDROM			FREE	on-line	
① DiscQC		CDROM, DVD			FREE	on-line	
① DiscQC2		CDROM, DVD			FREE	on-line	
① DiscQC2Sim		CDROM, DVD			FREE	on-line	
① UnixDiscQC		CDROM, DVD			FREE	on-line	
① MADEUP - Made up device for t		DLT			FREE	off-line	
Production/QC devices							
① 720DLT1		DLT	DEV04	TS2	BUSY	on-line	
① 720DLT2		DLT			FREE	on-line	
① CHECKOUT_DLT_SIMULAT		DLT	TS2		FREE	on-line	
① DEV02_SIM		DLT	DEV02		FREE	on-line	
① DEV06_DLT_SIM - It's a test drive fo		DLT	DEV06	DEV06	BUSY	on-line	
① DEV06_DLT_SIM1		DLT	DEV06		FREE	on-line	
① DEV06_DLT_SIM2		DLT	DEV07		FREE	on-line	
unclassified devices							
- no devices -							
LUMINEX Device Loads							
0% 50% 100%							
ES_TEST							
located Work Load	(73.0 of 4 max MB)	1824.8%					
Actual Work Load	(0.0 of 6 max MB)	0.0%					
m1							
located Work Load	(0.2 of 20 max MB)	1.0%					
Actual Work Load	(0.0 of 10 max MB)	0.0%					
nex7100							
located Work Load	(-691.6 of 800000 max MB)	-0.1%					
Actual Work Load	(1789.9 of 800000 max MB)	0.2%					

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Device Configuration

▪ Procedure: Filtering/Modifying PMD Device Configurations (cont.)

- ▶ To change on-line or off-line status of a device: Click the **Device Label** to display the **PMD: Device Configuration Details** page.

❖ Figure: PMD: Device Details Page and Status Prompts

- ▶ Then locate and click the **Online Status** (**green** or **red**) status button. At prompt:
 - ▶ If **taking device off-line**: Type **justification** in textbox, then click the **Apply** button to change the status and dismiss the prompt.
 - ▶ If **placing device on-line**: Click **OK** to continue and dismiss the prompt.
- ▶ Click **Apply** button, at page-bottom to return to the **PMD: Device Configuration** page.
- ▶ Click **Apply** button, at page-bottom to return to the **PMD: Device Configuration** page.

MADEUP off-line

Physical Media Distribution: Device Configuration

[Back to Device List] Device Details

Device Label	MADEUP
Device Purpose	QC
Device Status	FREE
Online Status	off-line
Offline Reason	
Device Path	a/b/a
Reserved for Mode	(ALL MODES)
Media Type	<input type="radio"/> CDROM <input type="radio"/> DVD <input type="radio"/> CDROM and DVD <input type="radio"/> DLT
PC Attached	<input type="radio"/> yes <input checked="" type="radio"/> no
Device Description	105 of 255 max characters Made up device for testing ncr 7046935: If Katie forgets to delete this in by friday, please remind her.

Apply Cancel Reset

The page at http://f4oml01.hitc.com:22401 ...
? You are about to place this device on-line. Continue?
OK Cancel

720DLT2 on-line

Physical Media Distribution: Device Configuration

[Back to Device List] Device Details

Device Label	720DLT2
Device Purpose	Production and QC
Device Status	FREE
Online Status	on-line
Device Path	fdevr10
Reserved for Mode	(ALL MODES)
Media Type	<input checked="" type="radio"/> DLT
Device Description	1 of 255 max characters

Assign 0300082374 VOL001 Assign 0300082143 VOL00 on-line

Please type in an explanation for taking this device off-line:
Warning: If this device is 'busy', the current Request will be completed before the device is taken off-line.
Apply Cancel
Done

Apply Cancel Reset

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Device Configuration

■ Procedure: Filtering/Modifying PMD Device Configurations (cont.)

- To add a new device: Click the **Add New Device...** button, at left-top of **PMD: Device Configuration** page to display the **PMD: Add New Device** page:

A

Physical Media Distribution: Device Configuration

Add New Device...

Filter: -- media type -- -- online status -- -- device status -- Apply Clear

Device Label	Current Request [Volume]	Media Type	Reserved For Mode	Used By Mode	Device Status	Online Status	Offline Reason
Production devices							
① stdf - stdf		CDROM				01-line	
① FAKECDROM-DELETE		CDROM				01-line	
① JAMES_TEST - PLEASE						01-line	
① cdrom1						01-line	
① sdfg						01-line	
① Luminex7100		QC				01-line	

Physical Media Distribution: Add New Device

Device Purpose: ?

Production

QC

Production and QC

B1 Add New Device Pages: Production (B1), QC (B2), and Production and QC (B3).

B1

Device Purpose

Device Purpose: Production

Device Type: ☐ CD/DVD ☐ Tape

B2

Device Purpose

Device Purpose: QC

QC Device Details

Media Type: ☐ CDROM ☐ DVD ☐ CDROM and DVD ☐ DLT

PC Attached: ☐ yes ☒ no

Device Label:

Device Path:

Reserve for Mode (optional): (ALL MODES)

Device Description:

OK Cancel

B3

Device Purpose

Device Purpose: Production and QC

Production/QC Device Details

Media Type: ☐ DLT

Device Label:

Device Path:

Reserve for Mode (optional): (ALL MODES)

Device Description:

OK Cancel

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Device Configuration

▪ Procedure: Filtering/Modifying PMD Device Configurations (cont.)

- Click the **Device Purpose** list box to display its options. There are three device purpose types:
 - 1 – **Production.**
 - 2 – **QC.**
 - 3 – **Production and QC.**
- Click **desired Device Purpose** from the list box and **complete its options and input fields.** Then click **OK**, to add the new device.
- Return to the **Order Manager Home** page, on left-pane of OM GUI click the **HOME** link.

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Open Intervention

- **Operator can view and respond to several Open Physical Media (PM) Interventions:**

- Change any/all volume status (pass or fail)
- Fail or change any/all granules in a volume
- Restart media creation
- Continue media creation with selected volumes.

- **The Open PM Interventions page has three working parts:**

- 1 – Current Filters – pre-defined filter criteria.
- 2 – Options – features to change an individual or combined filter and to bulk fail or bulk submit requests.
- 3 – Listing – captures requested distribution of filtered output.

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Open Intervention

■ Procedure: Responding to Open PM Interventions

- Click **Physical Media Distribution** menu, then submenu **Open Interventions** to display the **Open Physical Media Interventions** page.
- To display details pages for Order ID or Request ID: Under the **Listing** section, click on the underscored <ID> to display its detailed page:

❖ **Figure: Detail displays of Request ID (A), Order ID (B), Filter (C)**

A Intervention For Request 0300082263

Order ID: 0300084004
 Request ID: 0300082263
 Input Size: 933 estimated MB
 Media Type: CDR/OM
 Priority: NORMAL
 Explanation(s): Media Collection Failed
 Worked by: - no worker assigned - [assign]

User ID: ECSGuest (Benjamin_M_Voytko@raytheon.com)
 Created: Jan 28 2008 11:39AM
 Acknowledged:
 Request Status: Operator Intervention
 Metadata Format: OOL

To "Change To..." another status, the "Worked by" must be assigned

Apply Volume Changes

Volume Name	Status	Change To...	Explanation	Production Module	Production Device
21 granules	CREATED	<input checked="" type="checkbox"/> FAILED		GENERICOUT	LuminesSion
20 granules	CREATED	<input type="checkbox"/> FAILED		GENERICOUT	LuminesSion

Link displays Granule List

Request Level Disposition

Keep on hold
 Fail this Distribution Request
 Retry media creation for entire Distribution Request
 Retry media creation for volumes marked **Failed**

If "Fail this Distribution Request":
☐ Don't send DN

Operator Notes
 0 of 255 max characters

Apply

B ECS ORDER 0300084004

Request ID:	0300082263	Start Date:	Not available
Order Type:	Regular	User ID:	ECSGuest
Order Source:	OmSrCltDriver	Status:	Pending
Ext. RequestId	Not available	Ship Date:	Not available
Receive Date:	Jul 20 2007 12:16PM	Order Home DAAC:	RBD
Last Update:	Jan 28 2008 11:39AM		
Description:	Not available		

Link displays Profile for ECS Guest

Displays Detailed ECS Order Data:
 • Distribution Request <ID> data
 • Volume List with Request Notes; Mailing/Shipping/Billing Address info.
 • Failed Granules List (DPL Granule ID) details

C

Open Physical Media Interventions Filters

Enter only one of the individual filters

Order ID: Request ID: Worked By: [v]

Clear Apply Individual Filters

Combined Filters

Intervention Creation Date Filters

Start Time: Month Day Year Hour Min
 03 31 2007 17 11
 End Time: Month Day Year Hour Min
 03 31 2008 17 11

A selection must be made for mediaFilter and explanationFilter values

Media Type Select: All None
 CDR/OM DLT DVD Physical Pkg/ash

Explanation Select: All None
 Archive Host Cannot be Reached
 Duplicate Request exists
 Failed Validation Of Configured Destination
 Failed by Operator
 Failed staging (Fatal)

Apply Combined Filters

Set Defaults Apply Defaults Close Window

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Open Intervention

▪ Procedure: Responding to Open PM Interventions (cont.)

- To fail intervention(s): On the **Intervention For Request <ID>** detail page, under **Options** section, click either the **All (Bulk Fail)** checkbox to fail all interventions or the **individual (Sel)** checkbox(es) associated with specific intervention(s), then click the **Bulk Fail** button. In the **Confirm Bulk Fail Action** dialog box, enter **Operator Notes** and/or **Additional e-mail** text in textboxes, as appropriate. Select **Send email** option to notify users whose requests are being failed, then click the **Apply “Bulk Fail”** button.
- To submit intervention(s): On the **Intervention For Request <ID>** detail page, under **Options** section, click the **All (Bulk Submit)** checkbox to fail all interventions or the **individual (Sel)** checkbox(es) associated with specific intervention(s), then click the **Bulk Submit** button.
- To check granules in a volume:
Click the **Volume Name [<number> granule...]** link under the Request ID details page **Volume List** section. The **Granule List for Volume Window** displays. After review, click **x-close window** to close granule window.
- To free-up a device: On the **Intervention For Request <ID>** detail page, click **[deallocate this device...]** link, adjacent to the **Current Device** entry, then click **OK** in the confirmation dialog box.
- Return to the **Order Manager Home** page, on left-pane of OM GUI click the **HOME** link.

http://f4oml01.hitc.com:22401 - Granule List for Volume VOL002 of Request 0300082264 - Mozilla Firefox

close window

Granule List for Volume VOL002 of Request 0300082264

Granule List

Go directly to row: of 13 rows Show 20 rows at a time.

first | previous | Showing 1 - 13 of 13 | next | last

GranuleID	DPL ID	ESDT	Type	In Size (MB)	Out Size (MB)	Status	Explanation	Action
124378	158041	AE_PMSCI.001	SC	75.002		STAGED		Fail <input type="checkbox"/>
124389	158052	AE_PMSCI.001	SC	75.002		STAGED		Fail <input type="checkbox"/>
124388	158051	AE_PMSCI.001	SC	75.002		STAGED		Fail <input type="checkbox"/>
124428	158122	MOD29P1D.004	SC	6.117		STAGED		Fail <input type="checkbox"/>
124444	158128	MOD29P1D.004	SC	6.117		STAGED		Fail <input type="checkbox"/>
124425	158089	MOD11A1.086	SC	0.104		STAGED		Fail <input type="checkbox"/>

Select all ☐

Submit Actions

first | previous | Showing 1 - 13 of 13 | next | last

Done

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Printer Configuration

- The Printer Configuration page handles the configuration of printers used in physical media distribution.
- Printer configuration features two actions:

- Add printers.
- Edit printer parameters.

❖ **Figure: PMD Printer Configuration Page and activity displays**

Physical Media Distribution: Printer Configuration

Edit parameters for bw-1151

Type: QC
Name: bw-1151
Network Info: normal printer
Options: ☒ Always ☐ Never ☐ On QC Error Only
Apply Cancel Edit

The page at http://f4oml01.hitc.com:22401...
The configuration has been updated.
OK

Cancel Edit button, toggles "Edit parameters..." fields on/off page.

Name	Type	Network Info	Status	Options
edit... bw-1151	Packing List	normal printer		Always print
edit... bw-1151	QC	normal printer		Always print
edit... f2dpl08	Shipping Label	wider of the two label printer...		Always print
				ERROR: This printer has an option of "Always print" Only Packing List and QC printers are allowed to have these options!
				Always print
edit... f2tek750	Jewel Case	eventually we will use f2tek75...		Always print
				ERROR: This printer has an option of "Always print" Only Packing List and QC printers are allowed to have these options!
				Always print
edit... f2dpl07	Tape Label	has smaller label roll. The on...		Always print
				ERROR: This printer has an option of "Always print" Only Packing List and QC printers are allowed to have these options!
edit... bw-1151				Always print
edit... marlin				Always print

edit... button displays the "Edit parameters..." fields on the page.

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Printer Configuration

▪ Procedure: Modifying Existing PMD Printer Configuration

- Click **Physical Media Distribution** menu, then submenu **Printer Configuration** to display the **PMD: Printer Configuration** page.
- To edit parameters values: Click the **edit...** button associated with printer (name). In displayed printer parameters window, **change the following values**:
 - Name = **<new_printername>**.
 - Network info = **<new_network_text>**.
 - Options: **select only one**.
 - **Always**, if designated as default module (for packing List and QC printers only).
 - **Never**, if not default module.
 - **On QC Error Only**.
 - Click the **Apply** button to implement changes, then click **OK** at the update confirmation prompt.
- Return to the **Order Manager Home** page, on left-pane of OM GUI click the **HOME** link.

OM GUI

Physical Media Distribution (cont.)



❑ PMD – PM Configuration

- The PMD Module Configuration page displays information for all currently configured production modules. The OM GUI handles the configuration of production modules in physical media creation.
- Production modules can be “added” and parameters values “edited”.

❖ Figure: PMD Production Module Configuration Page and Add Toggle Fields

Physical Media Distribution: Production Module Configuration

Add New Production Module

Cancel link, toggles "Add New..." fields on/off page.

Add New Production Module

Name

Image File Path

Text File Path

Default Module ☐ yes ☒ no

Add This Production Module

The page at http://f4oml01.hitc.com:22401...
Production module successfully added.
OK

MODISOUT (ID: 1)

Name	MODISOUT
Created	Feb 8 2005 7:38PM
Last Updated	Mar 20 2008 5:28PM
Image File Path	MODISOUT_JCI_TEMPLATE
Text File Path	MODGENDVD.txt
Executable	EcOmPdModule
Default Module	<input type="radio"/> yes <input checked="" type="radio"/> no

Apply Changes Reset

ASTEROUT (ID: 2)

Name	ASTEROUT
Created	Feb 8 2005 7:38PM
Last Updated	Mar 15 2005 1:50PM
Image File Path	ASTEROUT_JCI_TEMPLATE
Text File Path	ASTGENDVD.txt
Executable	EcOmPdModule
Default Module	<input type="radio"/> yes <input checked="" type="radio"/> no

Apply Changes Reset

OM GUI

Physical Media Distribution (cont.)



❑ PMD – PM Configuration

▪ Procedure: Adding/Modifying PMD Production Module Configuration

- Click **Physical Media Distribution** menu, then submenu **PM Configuration** to display the **PMD: Production Module Configuration** page.
- To edit assigned parameters values for a production module: Type **<new_vaules>** in corresponding **Image File Path** and **Text File Path** textboxes. Change the **production module default**, as appropriate: **yes** to set as default (or **no** as not being the default module). Then click the **Apply Changes** button to implement edits.
- To add a new production module: Click the **Add New Production Module** button, add **<appropriate_values>** it textboxes. Select **<default>** option, the click **Add This Production Module** button implement new module. At confirmation prompt, click **OK** to acknowledge.
- Return to the **Order Manager Home** page, on left-pane of OM GUI click the **HOME** link.

OM GUI

Physical Media Distribution (cont.)



❑ PMD – Reports

- A HTML display using the web browser print menu function.
- **Report Summary page** has two display types:
 - 1 – Device Report – summary of device statuses: on-line/off-line and free/busy by media type.
 - 2 – Request Summary Report – displays a quick summary of the PMD requests (in states) from waiting-for-a-device to waiting-for-shipment.

❖ Figure: PMD Report Summary Page

Physical Media Distribution: Report Summary				
Use your browser's print function to print this report (File > Print...)				
Device Report				
	off-line devices	on-line devices	Free devices	Busy devices
CDROM	0	19	10	0
DLT	1	24	20	5
DVD	0	15	9	0

Request Summary Report		
	Requests Waiting for Activation	Pending Volume of Media Production
CDROM	1	0.245
DLT	5	57.018

OM GUI

Physical Media Distribution (cont.)

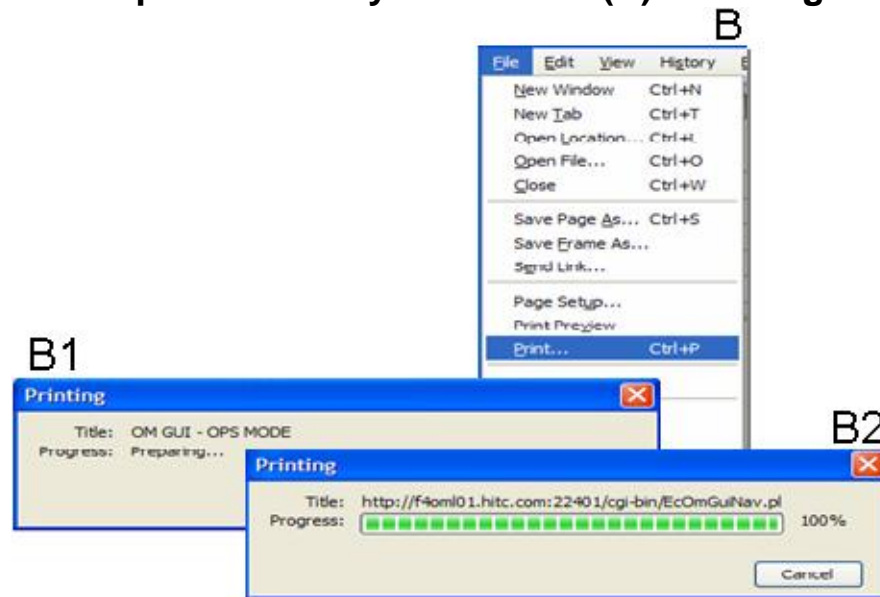


❑ PMD – Reports

▪ Procedure: Printing PMD Reports

- ▶ Click **Physical Media Distribution** menu, then submenu **Reports** to display the **PMD: Report Summary** page.
- ▶ To print a PMD Report using the web browser: First, **reload the page** to ensure the most current statistics are captured. Next, select **File, Print (Figure B)** from the menu, then select **printer** (and set printer properties, as needed). Click **OK** to print (Figure B1-B2).
- ▶ Return to the **Order Manager Home** page, on left-pane of OM GUI click the **HOME** link.

❖ **Figure: PMD Report Summary Print Menu (B) and Progress (B1-B2)**



OM GUI

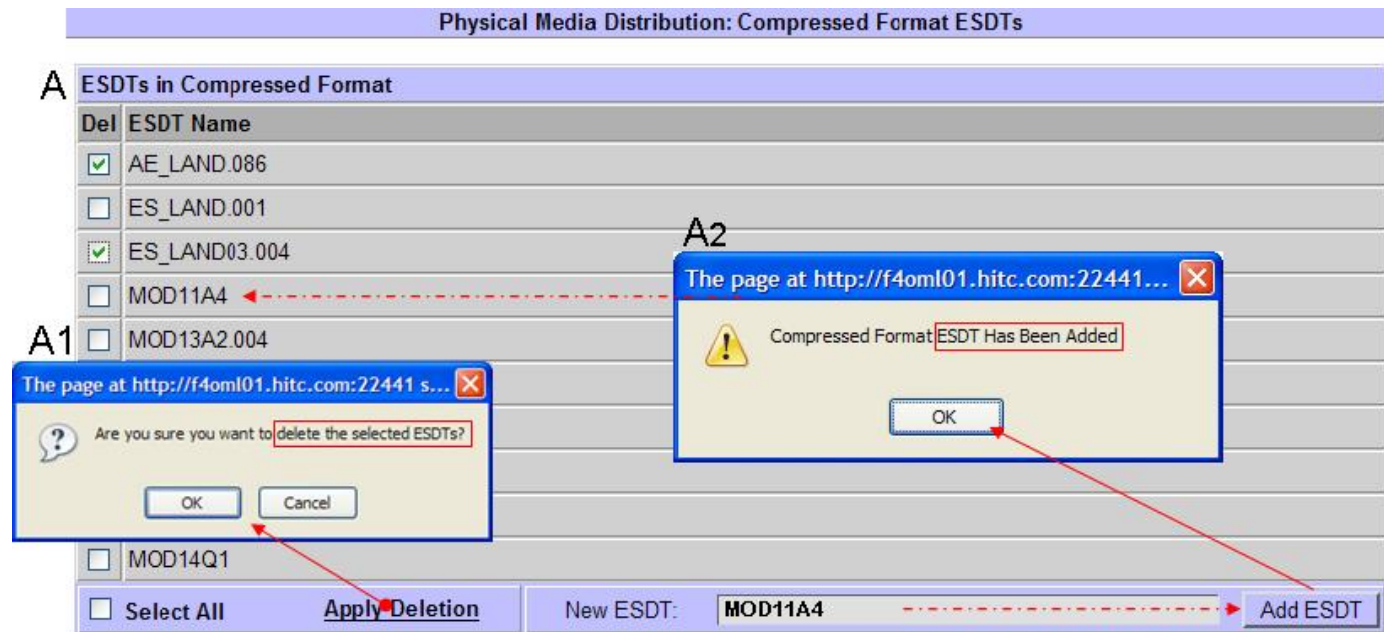
Physical Media Distribution (cont.)



❑ PMD – ESDT Configuration

- The full-capability Operator is allowed to add or remove compressed format ESDTs to/from the PMD ESDTs page.

❖ Figure: PMD Compressed Format ESDTs Page



OM GUI

Physical Media Distribution (cont.)



❑ PMD – ESDT Configuration

▪ Procedure: Adding/Deleting Compressed Format ESDTs

- Click **Physical Media Distribution** menu, then submenu **ESDT Configuration** to expand the **Physical Media Distribution: Compressed Format ESDTs** page.
- To add ESDT to the PMD ESDT list: Enter **<new_ESDT_name>** in New ESDT textbox, at right-bottom of page, then click the **Add ESDT** button. At prompt, click **OK** to acknowledge the update. The ESDT list updates.
- To delete ESDT from the PMD ESDT list: Check **one or more ESDTs** on the list, click the **Apply Deletion** link, at left-bottom of page, then at prompt, click **OK** to acknowledge the deletion. The ESDTs is deleted from list.
- Return to the **Order Manager Home** page, on left-pane of OM GUI click the **HOME** link.

Order Manager GUI

Logs



❑ OM GUI – LOGS

- The OM GUI Log keeps record of every page run and every stored procedure called within those pages.
- The log aid the System Administrator in problem resolution when errors are encountered.
 - EcOMGui.log is the log filename.
 - The log file path is typically in directory [/usr/ecs/MODE/CUSTOM/WWW/OMS/cgi-bin/logs] on the Data Pool Server host [x0dps01] where the OM GUI is installed.
- **Logs submenu:**
 - OM GUI Log Viewer.

OM GUI

Logs (cont.)



❑ Logs – OM GUI Log Viewer

- A convenient diagnostic tool that displays all current activity in the OM GUI and allows the Operator the capability to view entries captured (from page runs and stored procedures) in the log file.
- The log file that the log viewer displays is located under the [cgi-bin/logs] directory where the OM GUI is installed:
 - It is not the web server log or the SYSLOG.
 - It is a log [EcOmGui.log] that is specifically generated by and for the OM GUI.
- **Procedure: Viewing the OM GUI Log**
 - Click **Logs** menu, then submenu **OM GUI Log Viewer** to display its page
 - To view the log file: Enter **20** in the **View the last ____line(s) of the log file** textbox, then click the **OK** button to generate a 20 page history.
 - **NOTE:** The log viewer's functions similar to that of the UNIX "tail" command – the number of lines need to be seen must be specified. Otherwise, if 0 is specified or left blank the entire log file will display.
 - Return to the **Order Manager Home** page: on left-pane of OM GUI, click the **HOME** link.

OM GUI Logs (cont.)



❑ Logs – OM GUI Log Viewer

❖ Figure: OM GUI Log Viewer Page (A) and Log File Display (B)

A

OM GUI Log Viewer

3,300 MB
33746 lines
Last modified on Sat Apr 9 13:16:16 2005

View the last line(s) of the log file.
Leave blank to view entire log.

OK

B

Viewing last 20 lines of the log file:
☒ show line numbers [last line]

Line numbers display option.

Displays last 20 lines in Log by line number.

```
33727:[Sat Apr 9 13:16:16 2005] EcOmGuiPmdActions.pl: Use of uninitialized va
33728:[Sat Apr 9 13:16:16 2005] EcOmGuiPmdActions.pl: Use of uninitialized va
33729:*** **** EcOmGuiPmdActions: Input Parameters on Entry ***
33730:autoRefresh => off
33731:refreshrate => 5
33732:sessionId => ralphadmin
33733:Sat Apr 9 13:16:15 2005 There are NO selected action types
33734:Sat Apr 9 13:16:15 2005 GetPhysicalMediaDataFromDB: sql is
33735: DECLARE @Total_Requests int
33736:
33737:         declare @total_output int
33738:
33739:         EXEC OmGetMediaActionList
33740:
33741:         @sortAction="DueDate",
33742:@Request_Id_No = 1,
33743:@batchsize = 50,
33744:@Screen_Action = "C",
33745:@InterventionTypeList = "ALL",
33746:@Total_Requests = @total_output output
```